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The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Magnetic tapes supplied by the library are computer processed, using several vocabulary control mechanisms. The resulting indexes provide access to the literature in considerably less time than would be required by traditional indexing techniques.

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BIBLIOGRAPHY OF AGRICULTURE

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from worldwide sources. The Bibliography includes citations of journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation, Lockheed Information Systems, and Bibliographic Retrieval Services.

Publications are considered for indexing by NAL if a summary, abstract or title is available in a language in which the indexers have expertise. Articles of substantial interest to the agricultural community are selected by specialists on the staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not generally included. Indexing on the processing of agricultural products is limited to those on primary processing. In general, material must have been published in the current year or the preceding year to be included by NAL, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles which would not otherwise be indexed in the *Bibliography of Agriculture* are included for USDA authored, sponsored, or published materials. FNIC and AAEDC place no limitation on date of publication for entry into the data base. Abstracts and subject terms provided by FNIC and AAEDC are not published, although they are available in AGRICOLA.

The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

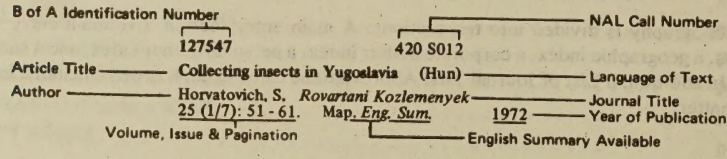
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic		
(Bur)	Burmese	(Ind)	Indonesian	(Scr)	Serbo-Croatian (Roman)
(Chi)	Chinese	(Ita)	Italian		
(Cze)	Czech	(Jpn)	Japanese	(Slo)	Slovak
(Dan)	Danish	(Kor)	Korean	(Slv)	Slovenian
(Dut)	Dutch	(Lat)	Latin	(Spa)	Spanish
(Est)	Estonian	(Lav)	Latvian	(Swe)	Swedish
(Fin)	Finnish	(Lit)	Lithuanian	(Tha)	Thai
(Fle)	Flemish	(Mac)	Macedonian	(Tur)	Turkish
(Fre)	French	(Nor)	Norwegian	(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

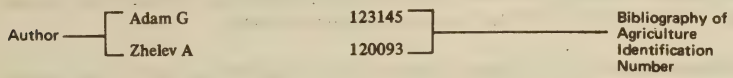
CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the Library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 38,000 terms. The file is organized so that in many cases synonymous terms are grouped together under a single subject heading. Thus, singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in boldface type. The alphabetic sequence is by the secondary (boldface) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES
Alkylpyrazines in processed **American** *cheese*. 022750
Cheddar *cheese* made with bovine pepsin. I. Yield and quality of cheese. 022755
Hydrolysis of milk proteins by bacteria [Brevibacterium linens, Propionibacterium shermanii] used in *cheese* making. 022751
Sensory evaluation of meat products containing **coagulated** *cheese* whey lactalbumin [Dairy waste utilization]. 022758
Enrichment of **pasta** with **cottage** *cheese* whey proteins. 022413
Change of impurity provisions of the *cheese* and **dairy** product decrees [Legislation, consumer protection]. 021927
Enzymes of Penicillium roqueforti [mold] involved in the biosynthesis of *cheese* **flavor**. 022725
Novel caseinate—effects natural functional properties for **imitation** *cheese*. 022730
The present cheese situation and international activity for **increasing** *cheese* production in developing countries [Prospects, programs and economic aspects]. 021632
Is the powdered skimmed milk problem a threat for the *cheese* **industry**? [Marketing]. 021524
The **present** *cheese* situation and international activity for increasing cheese production in developing countries [Prospects, programs and economic aspects]. 021632
Partially delactosed whey used as NFDM [nonfat dry milk] replacement in **process** *cheese* food offers economic advantages. 022731
Cheddar cheese made with bovine pepsin. I. Yield and **quality** of *cheese*. 022755
Free fatty acids and products of their transformations in **rennet** *cheeses*. 022795
Xanthan gum galactomannan system improves functionality of *cheese* **spreads**. 022732
Comparative evaluation of three media used for detection of **staphylococci** in *cheese*. 021751
Influence exercised by [the yeast] Saccharomyces oviformis during maturation of **Teleme** *cheese*. 022801
Characteristics of Norwegian **whey** *"cheese"*. 022733
Microbial quality of *cheese* **whey** samples from various factories in southern Ontario [Feed contamination, water pollution]. 023376

Many general terms have been deleted from the control vocabulary since 1975, and work has just been finished on a more complete list of specific terms. *Agricultural Terms*, the second edition of the *Thesaurus of Agricultural Terms*, reflects all the changes made in the control vocabulary through December 1977. This second edition is now available.

The last item of each entry in the Subject Index is the six-digit *Bibliography of Agriculture* Identification Number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, microfilm or xero-

graphic copies of documents may be purchased from the Photoduplication Service of the National Agricultural Library, U. S. Department of Agriculture, Beltsville, Maryland 20705. Such requests must include the complete citation as well as the Library's call number or, for agricultural economics items not cataloged by the National Agricultural Library, the identification number in the call number position.

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Additional information on NAL's photoduplication services is available from Chief, Lending Division, National Agricultural Library, Beltsville, Maryland 20705.

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AGRICULTURAL TERMS is an extensive revision and expansion of the *Thesaurus of Agricultural Terms.* It contains more than 37,000 agricultural terms— the completely revised vocabulary on which the subject index of *The Bibliography of Agriculture is based.*

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AGRICULTURAL TERMS covers agricultural vocabulary in more than 80 subject areas. The vocabulary is generated from the actual titles of the journal articles indexed in *The Bibliography of Agriculture.* All of the terms are fully cross-referenced and word variants are given as well.

Invaluable to users of The Bibliography of Agriculture.

AGRICULTURAL TERMS not only gives you an increased awareness of the language of agriculture, but it is also extremely useful in locating articles on specific agricultural subjects that are indexed in monthly editions of *The Bibliography of Agriculture*—the single,most comprehensive, monthly source of up-to-date information on published articles in agriculture and allied sciences throughout the world.

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Invaluable to all those doing on-line searches of the AGRICOLA database.

These terms are applicable for on-line searching of all three subfiles: CAIN, FNC (Food and Nutrition), and Agricultural Economics. Your searches will be easier, faster, and more economical with a copy of AGRICULTURAL TERMS at each terminal.

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LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A P P S Newsl Aust Plant Pathol Soc
Abelhas
Acta Agric Scand
Acta Agron (Budap)
Acta Anat
Acta Biol (Budap)
Acta Bot Indica
Acta Chim
Acta Endocrinol
Acta Entomol Bohemoslov
Acta Entomol Sin
Acta Hortic
Acta Hydrobiol
Acta Microbiol
Acta Pathol Microbiol Scand, Sect C Immunol
Acta Physiol Scand
Acta Phytopathol
Acta Vet Scand
Acta Virol
Acta Zool (Stockh)
Afrikanerbees J
AG N C State Univ Agric Ext Serv
Ag Stat N D Crop Livest Rep Serv
Agrarwirtschaft
Agribus Decis
Agric Agroind J
Agric Am (Bogota)
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Environ
Agric Ext Serv Univ Minn Spec Rep
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Hist
Agric Inf Bull U S Dep Agric
Agric Meteorol
Agric North Irel
Agric Res
Agric Syst
Agriculture (Paris)
Agrochemophysica
Agrochimica
Agrologist
Agron Res Rep La State Univ Agric Mech Coll Dep Agron
Aktuel Lantbrukshogsk (Upps)
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Algodonero
ALI Am Assoc Nurserymen
All Gazdasag
Allg Dtsch Imkerztg
Am Bee J
Am Camel Yearb
Am Dairy Rev
Am Hortic
Am J Agric Econ
Am J Bot
Am J Clin Nutr
Am J Obstet Gynecol
Am J Physiol
Am J Trop Med Hyg
Am J Vet Res
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Amer J Clin Nutr
AMS U S Dep Agric Agric Mark Serv
An Col Of Vet Prov
Anal Biochem
Anim Blood Groups Biochem Genet
Anim Feed Sci Technol
Anim Nutr Health
Ann Arid Zone Arid Zone Res Assoc India
Ann Biol Anim Biochim Biophys
Ann Chim (Rome)
Ann Entomol Fenn
Ann Geogr
Ann Immunol
Ann Inst Sper Selvic
Ann Microbiol
Ann Mo Bot Gard
Ann Phytopathol Soc Jap
Ann Rech Vet
Ann Tech Agric
Annu Cattle Feed Day S D Agric Exp Stn
Annu Rep Agric Res Inst North Irel
Annu Rep Air Resour Atmos Turbul Diffus Lab
Annu Rep Inheritance Improv Protein Qual Content Sorghum Bicolor L Moench
APHIS-91 U S Anim Plant Health Insp Serv
Apic Mod
Apidologie
APPITA (Aust Pulp Pap Ind Tech Assoc)
Appl Entomol Zool
Arable Farming
Arboric J
Arch Anat Histol Embryol
Arch Biochem Biophys
Arch Int Physiol Biochem
Arch Latinoam Nutr
Arch Microbiol
Arch Roum Pathol Exp Microbiol
Arch Virol
Arct Bull
ARS-NC U S Agric Res Serv North Cent Reg
ARS-NE U S Agric Res Serv Northeast Reg
Aust Entomol Mag
Aust For Res
Aust J Agric Res
Aust J Ecol
Aust J Exp Agric Anim Husb
Aust J Soil Res
Aust J Zool
Aust J Zool Suppl Ser
Aust Plants
Aust Vet J
Avian Dis
Baileya
Bakers Dig
Balwant Vidyapeeth J Agric Sci Res
Bangladesh J Sci Ind Res
Behaviour
Belg Apic
Beret Statens Husdyrbrugsfors
Berita Selulosa
Biatas, The Tillage Farmer
Bibl Bot
Bibl Sel'sk Profsoiuznogo Akt
Bienenvater
Bienenwelt
Big Farm Manage
Biochem Biophys Res Commun
Biochem J
Biochemistry (Easton)
Biochemistry (N Y)
Biochim Biophys Acta
Bioinorg Chem
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Biol Reprod
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Biologia Ser B Zool
Biologia Ser C Vseobecna Biol
Biologist
Biomed Mass Spectrom
Bioorg Khim
BioScience Am Inst Biol Sci
Biotechnol Bioeng
Bol Estac Exp Agric (Tucuman)
Bol Inst Tecnol Aliment
Bol Rural INTA (Inst Nac Technol Agropecu)
Bol Tec Cent Pesqui Cacau
Bol Tec Univ Chile Fac Cienc For
Bot Gaz
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C R Hebd Seances Acad Sci, Ser D Sci Nat
Cac Suc J
Cah I E A (Inst Econ Agric Brux)
Cah ORSTOM Ser Hydrobiol (Off Rech Sci Tech Outre-Mer)
Cah Ser Hydrol ORSTOM (Off Rech Sci Tech Outre-Mer)
Caldasia
Calif Farmer (Cent Ed)
Calif Plant Pathol
Campo Bol Inf Agrar Banco Bilbao
Can Entomol
Can For Ind
Can Fruitgrower
Can J Agric Econ
Can J Biochem
Can J Chem
Can J Comp Med
Can J Microbiol
Can J Zool
Canopy
Carbohydr Res
Cattleman
Cell Biol Int Rep
Cell Differ
Cell Tissue Res
Cellul Carta
Cellul Chem Technol
Cereal Res Commun
Chem Commun
Chem Phys Lipids
Chromosoma
Chung Hua Chih Wu Pao Hu Husueh Hui Plant Prot Bull
Circ Ciane Cent Invest Agric Noreste
Circ Coll Agric Res Cent Wash State Univ
Circ Ill Univ Coop Ext Serv
Citrograph
Citrus Veg Mag
Clin Exp Immunol
Clin Vet
Cocoa Grow Bull
Coconut Bull
Coleopt Cat Suppl
Collect Czech Chem Commun
Comm Bull N S W Dep Agric Div Mark Econ
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Comp Physiol Ecol
Compost Sci
Conn Greenhouse Newsl
Coop Plant Pest Rep U S Anim Plant Health Insp Serv Plant Prot Quar Programs
Cornell Vet Suppl
Cortica Bol Inst Prod Florestais
Countryside
Cranberries
Crop Prod Conf Rep Crop Qual Counc
Crops Soils
CSIRO Food Res Q
Ctry Life
Cultiv Mod
Curr Concepts Nutr
Curr Rep W Va Agric For Exp Stn
Curr Sci
Curr Top Microbiol Immunol
Cytobiologie
Dairy Herd Manage
Dairy Ind Int
Dairy Sci Handb
Dairy Tales
Dairymen's Dig North Cent Reg Ed
Dan Skovforen Tidsskr
Dan Veterinaertidsskr
Darbai
Desarr Rural Am
Descr Plant Viruses Connw Mycol Inst
Dev Econ
DFRC Proc (Distill Feed Res Counc)
Dig Int J Gastroenterol
Doc Cartogr Ecol
Doc Int Dairy Fed
Dokl Akad Nauk Az SSR
Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Dokl Akad Nauk Tadzh SSR
Drug Metab Dispos Biol Fate Chem
Drug Metab Rev
Dtsch Lebensm Rundsch
Ecol Food Nutr
Ecol Res Ser
Ecol Stud Anal Synth
Econ Bot
Egypt J Dairy Sci
Egypt J Hortic
Ekon Sov Ukr
Elelmez Ipar
EM U S For Serv
Endocrinology
Entomol Exp Appl
Entomol Gaz
Entomol Mon Mag
Entomol Newsl
Entomol Obozr
Entomol Rec J Var
Entomon
Environ Exp Bot
Environ Pollut
Ernahrungswirtschaft
Esp Ganad
ESS Ohio State Univ Dep Agric Econ Rural Sociol
Eur J Biochem
Eur J Drug Metab Pharmacokinet
Exp Agric
Exp Cell Res
Exp Gerontol
Exp Hortic
Exp Parasitol
Experientiae
Explor Econ Hist
Ext Bull Mich State Univ Coop Ext Serv
Ext Circ Oreg State Univ Ext Serv
Ext Fol Agric Ext Serv Univ Minn
F. O. Licht's Int Sugar Rep
Fact Sheet Part Time Farmers Gard
Faipar
Farm Chem
Farm Econ (Pa State Univ)
Farm Food Res
Farm Manage
Farm Mech Stud G B Agric Dev Advis Serv
Farmer Coop U S Farmer Coop Serv
Farming Jap
Farming Zambia
FAS-M U S Foreign Agric Serv
FEBS Lett (Fed Eur Biochem Soc)
Feedstuffs
Fert Mark News
Fette Seifen Anstrichm
Fjaderfa
Fjorfe
Fleischerei
Flora Fauna
Flora West Pak
Florists Rev
Fluoride

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Focus Tech Coop
Folia Biol (Krakow)
Folia For
Folia Geobot Phytotaxon
Foll Divulg Inst Nac Invest Agric (Mex)
Food Eng
Food Manuf
Food Policy (Sussex)
Food Process Ind
Food Prod/Manage
Food Technol
Food Technol N Z
For Chron
For Focus
For Prod J
For Prod Util Tech Rep U S For Serv Coop For Div
For Tech Note East Afr Agric For Res Organ
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ Livest Meat FLM MT U S Foreign Agric Serv
Foreign Agric Circ Tree Nuts FN U S Foreign Agric Serv
Foreign Agric Econ Rep U S Dep Agric Econ Stat Coop Serv
Foreign Agric U S Foreign Agric Serv
Forschungsber Forstl Forschungsanst Munchen
Fortschritte Pflanzenzuchtung
Fortschrittsber Landwirtsch Nahrungsguterwirtsch
Fr Agric
Freshwater Biol
Frugtavleren
Fruits & Abeilles
Furrow
FWS Va Polytech Inst State Univ Div For Wildl Resour
Ga Vet
Gabonaipar
Garden
Garden (N Y)
Gartneryrket
Gaz Chim Ital
GC HTJ
Gen & Comp Endocrinol
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Gene
Genet Res
Genetics
Geoderma
Geogr World Agric
Geolog Surv Finl Bull
Gestencild Versl Lab Tuinbouwplantenteelt Landbouwhogesch (Wageningen)
Gidrobiol Zh Hydrobiol J
Gidroliz Lesokhim Prom-st'
Glean Bee Cult
Gordian
Grasas Aceites
Grass J Br Assoc Green Crop Driers
Greenhouse
Grune
Harvester
Helv Chim Acta
Heredity
Hidrol Kozl
Hog Farm Manage
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Hortic News (N J State Hortic Soc)
Hortsci
Hospitals
Houil Blanc
Hua Hsueh T'ung Pao (Hauxue Tongbao)
Hung Agric Rev
Husipar
Hutoipar
Hydrobiol Bull
I P E F (Inst Pesqui Estud Florestais)
Ikon Misul
Immunochemistry
Immunogenetics
Immunolo Commun
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Ind Conserv
Ind Leche
Indian Drugs
Indian For
Indian J Agric Res
Indian J Anim Health
Indian J Anim Sci
Indian J Exp Biol
Indian J Mycol Plant Pathol
Indian J Nutr Diet
Indian Poult Rev
Indian Sugar
Indian Vet J
Inf Agric (Luxemb)
Inf Rep NOR-X North For Res Cent (Edmonton Alberta)
Infect Immun
Insecta Matsumurana
Int Arch Allergy Appl Immunol
Int J Insect Morphol Embryol
Int J Peptide Protein Res
Int J Vitam Nutr Res
Int Labor Rev
Int Pest Control
INTSOY Ser Int Soybean Program
Invest Agropecu
Iowa State J Res
IPIRI J (Indian Plywood Indus Res Inst)
Ir J Agric Res
Ir J Food Sci Technol
Ir Vet J
Irish Nat J
Isr J Bot
Issled Genet
J Agric Assoc China
J Agric Econ
J Agric Food Chem
J Agric Sci (Camb)
J Agric Soc Trinidad Tobago
J Agric West Aust
J Air Pollut Control Assoc
J Am Diet Assoc
J Am Leather Chem Assoc
J Am Oil Chem Soc
J Am Soc Brew Chem
J Am Soc Hortic Sci
J Am Vet Med Assoc
J Anat
J Anim Morphol Physiol
J Anim Sci
J Appl Meteorol
J Appl Physiol
J Appl Polym Sci
J Arboric
J Arnold Arbor
J Aust Entomol Soc
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Biomech
J Bromeli Soc
J Can Diet Assoc
J Can Inst Food Sci Technol
J Cell Sci
J Chem Soc, Perkin Trans 1
J Chin Agric Chem Soc
J Chromatogr
J Chromatogr Sci
J Clin Invest
J Clin Microbiol
J Coat Technol
J Comp Pathol
J Comp Physiol Psychol
J Dairy Sci
J Econ Entomol
J Electron Microsc
J Elisha Mitchell Sci Soc
J Endocrinol
J Entomol Soc B C
J Entomol Soc South Afr
J Environ Qual
J Exp Biol
J Exp Zool
J Fish Res Board Can
J Food Prot
J Food Sci
J Food Sci Tech
J For
J For Hist
J Ga Entomol Soc
J Gen Microbiol
J Gen Physiol
J Geogr
J Helminthol
J Histochem Cytochem
J Home Econ
J Hydrol
J Immunol Methods
J Indian Chem Soc
J Indian Soc Soil Sci
J Insect Physiol
J Inst Brew
J Interdis Cycle Res
J Invertebr Pathol
J Kans Entomol Soc
J Lipid Res
J Maharashtra Agric Univ
J Mar Biol Assoc U K
J Med Entomol
J Membr Biol
J Microsc (Lond)
J Miss Acad Sci
J Mol Biol
J Morphol
J Nucl Agric Biol
J Nutr
J Nutr Sci Vitaminol
J Org Chem
J Pathol (Edinb)
J Physiol
J R Soc West Aust
J Reprod Fertil
J Res Lepid
J Res Punjab Agric Univ
J Res U S Geol Surv
J S Afr Biol Soc
J S Afr Vet Assoc
J Sci Food Agric
J Small Anim Pract
J Soil Sci
J Soil Sci Soc Am
J Stored Prod Res
J Ultrastruct Res
J Vet Med Educ
J Wash Acad Sci
J Water Pollut Control Fed
J Wildl Manage
J Zool
Jap J Anim Reprod
Jap J Genet
Jap J Vet Res
Jap J Vet Sci
Jap Pestic Inf
JARQ (Jap Agric Res Q)
Jaunak Mezsaimn
Jojoba Happenings
Julk Valt Maitotalouskoelaitos
Justus Liebigs Ann Chem
Khim-Farm Zh
Kholod Tekh
Kistenyesztok Lapja
Komarovsk Chten (Akad Nauk SSSR)
Konchu
Konservn Ovoshchesushil Prom-st'
Kumamoto J Sci, Ser B, Sec 2 Biol
Kun Chung Hseuh Pao Acta Entomol Sin
Kurtziana
Lab Anim (Lond)
Lab Anim Sci
Lab Invest
L'Action Vet
Landwirtsch-Angew Wiss Bundesminist Ernahr Landwirtsch Forsten Ger (Fed Repub)
Laporan Lembaga Penelitian Hutan
Leafl U S Dep Agric
Lebensm Ind
Lejeunia Rev Bot
Life Sci
Lipids
Livest Breed J
Livest Prod Sci
Lloydia
Madrono
Maelkeritidende
Magy Kem Lapja
Malay For
Mark Res Rep U S Dep Agric
McIlvainea
Md Waltonian
Meat Process
Medd Jordbruk Utredningsinst
Medd Statens Planteavlsforsog Den
Meded Landbouw-Econ Inst
Meded Landbouwhogesch Wageningen
Meded Rijksinst Zuiver Afvalwater
Meieriposten
Mek Sil's'k Hospod
Mem Am Entomol Soc
Methodicum Chim
Mezogazd Tech
Miasn Ind SSSR
Mich Acad
Mich Nat Resour
Milling Feed Fert
Mimeogr Ser Univ Arkansas Agric Exp Stn
Minn For Res Notes
Mirov Econ Mezhdunar Otnoshen
Misc Publ Md Agric Exp Stn
Misc Publ U S Dep Agric
Misc Univ Nac Tucuman Fac Agron Zootech
MIT Res J (Mindanao Inst Technol)
Mitt Hamb Zool Mus Inst
Mod Vet Pract
Mol Biol (Kiev)
Mol Cell Biochem
Mol Cell Endocrinol
Mol Gen Genet (MGG)
Molineria Panaderia
Molochn Prom-st'
Mondo Latte
Monit Zool Ital Ital J Zool New Ser
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Moscow Univ Biol Sci Bull
Mushroom J
Mutat Res
Mycologia
Mycopathologia
Mysore J Agric Sci
N Z J Agric
N Z J For
N Z J Mar Freshwater Res
N Z Vet J
Nat Heimat
Nat Res J
Nature
Nematol Mediterr
Nematologica
Neue Bienenzucht
New Sci (London)
News Timber Res
Newsl Assoc Off Seed Anal
Newsl Int Rice Comm
Nor Pelsdyrbl
Nor Skogind
Nor Veterinaertidskr
Nord Mejeritidsskr
Nord Veterinaermed
North Log Timber Process
Northwest Lumberman
Not Neosan
Not Sul Mal Piante
Nov Zhizni Nauke Tekh Ser Biol
Nowe Roln
Nutr Metab
Nutr Rep Int
Nutr Rev
Obshta Sravnitelna Patol
Oecologia
Off Publ Assoc Am Feed Control Off Inc
Ohio J Sci
Okla Curr Farm Econ
OMEGA Int J Manage Sci
Onderstepoort J Vet Res
Ontogenez
Orchid Rev
Oreg Agri Rec
Org Gard Farming
Osn Nematodologii
OSU Ext Facts Sci Serv Agric Okla State Univ Coop Ext Serv
Ovina
PAG Bull Protein-Calorie Advis Group U N Syst
Pak J For
Pan Pac Entomol
Pap Puu
Papeterie
Parques Jard
PB U S Natl Tech Inf Serv
Persoonia
Pest Control
Pestic Sci
Pesticides
Phospho Potas
Photosynthetica
Phycologia
Physiol Plant
Phytochemistry
Phytoma
Phytopathology
Pig Farmer
Pig Farming
Plant Chron
Plant Dis Rep
Plant Med
Plant Physiol
Plant Sci Lett
Planta
Plasticulture
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
Pollen Spores
Polymer
Poult Advis
Poult Sci
Poult World (Sutton)
Poult World/Poult Ind Manage Guide
Prelim Rep Volcani Inst Agric Res
Proc Agric Outlook Conf Wash, D C
Proc Entomol Soc Wash
Proc Indian Acad Sci, Sec B
Proc Inst Environ Sci
Proc Inst Food Sci Technol (U K)
Proc Mont Nutr Conf Livest Grow Feed Manuf Dealers Salesmen
Proc N Z Soc Anim Prod
Proc Natl Acad Sci U S A
Proc R Soc Lond, B Biol Sci
Proc Soc Exp Biol Med
Proc South Conf For Tree Improv
Proc Trans Br Entomol Nat Hist Soc
Process Biochem
Prof Pap U S Geol Surv
Prog Biophys Mol Biol
Prog Hortic
Propr Agric
Protoplasma
Publ Coop Ext Programs Univ Wis Ext
Publ Inst Mech Arb Gebouwen
Publ Tex For Serv
Publ Trimest Inst Belg Amelior Better
Publ 2 Landbouw-Econ Inst Afd Structuuronderz
Q Bull Am Rhodod Soc
Q Bull Assoc Food Drug Off
Q J Exp Physiol Cogn Med Sci
R T I A (Rev Tech Econ Ind Aliment)
Radiat Res
Rapp Inst Bodemvruchtbaar
Rapp Jordbearbetningsavd Lantbrukshogsk
Rapp Proefstn Rundveehouderij
Rapp Uppsats Res Notes Stockh Skogshogsk Inst Skogsgenet
Recursos Hidraul
Redia G Zool
Redog Forskningsstiftelsen Skogsarbeten
Refu Vet
Rep Proj La Agric Exp Stn Dep Agron
Res Bull Manit Univ Dep Agric Econ Farm Manage
Res Bull Wis Univ Coll Agric Life Sci Res Div
Res Commun Chem Pathol Pharmacol

Res Indus
Res Life Sci
Res Pap For Dep West Aust
Res Rep Fla Univ Sch For Resour Conserv
Res Rep Ga Exp Stn
Res Rep Giannini Found Agric Econ
Res Rep Mich State Univ Agric Exp Stn
Res Rep Miss Agric For Exp Stn
Res Rep Mont Agric Exp Stn Mont State Univ
Res Rep N M Agric Exp Stn
Res Vet Sci
Respir Physiol
Rev Bras Biol
Rev Fr Apic
Rev Lait Fr
Rev Mark Agric Econ N S W Dep Agric Div Mark Agric Econ
Rev Vet Can
Rice J
Riv Agric Subtrop Trop
Riv Biol
Riv Ital Sost Grasse
Riv Patol Veg
Riv Zootec Vet
Rodriguesia (Rio de Janeiro)
S Afr J Anim Sci
S Afr J Sci
Sante Abeille
Sch Foodserv J
Schlachten & Vermarkten
Schriftenr GTZ Dtsch Ges Tech Zusammenarb
Schweiz Bienen-Zeitung
Schweiz Landwirtsch Monatsh
Sci Am
Sci Cult
Science
Scott Beekeep Scott Beekeep Assoc
Search
Seed Sci Technol
Senckenb Biol
Ser Didact Univ Nac Tucuman Fac Agron Zootec
Silvae Genet
Sluzba Rolna
Sociobiology
Soil Biol Biochem
Soil Sci
Sol Energy
Soripar
South Econ Rev
Soybean Dig
Span
Spec Publ Agric Res Organ Volcani Cent Div Sci Publ
Spec Rep Arkansas Agric Exp Stn
Spec Rep Oreg Agric Exp Stn
Staff Pap Dep Agric Econ Univ Nebr
Stat Bull U S Dep Agric
Summ Proc West Cotton Prod Conf
Sven Frotidn
Sven Papperstidn
Sven Vet Tidn
Sver Skogvardsforb Tidskr
SYLVATROP Philipp For Res J
Tab J Int
TAG (Theor Appl Genet)
Taiwania
Tappi (Tech Assoc Pulp Paper Ind)
Tasman J Agric Tasman Dep Agric
Taxon
Tec Molit
Tech Bull Agric Exp Stn Univ Minn
Tech Bull Colo Agric Exp Stn
Tech Pap Aust Water Resour Counc
Tech Pap South Pac Comm
Tech Rep Sch For Res N C State Univ
Tech Rep Water Resour Res Cent Univ Hawaii
Temas Didact Inst Colomb Agropecu Div Comun
Tenn Farm Home Sci Prog Rep
Tetrahedron
Tetrahedron Lett
Tex J Sci
Text Res J
Tijdschr Entomol
Tissue Cell
Tohoku J Agric Res
Tolvmandsbladet
Town Milk
Toxicol Appl Pharmacol
Trans ASAE (Am Soc Agric Eng)
Trans Br Mycol Soc
Trans R Soc Trop Med Hyg
Trans Shikoku Entomol Soc
Tree Plant Notes U S For Serv
Trigo Soja
Trop Agric (Guildford)
Trop Grassl
TSitologiia
Turf Bull
TVA Bibliogr Tenn Val Auth Tech Libr
U S Agric Res Serv (Reprints of articles by ARS employees)
U S For Serv (Reprints of articles by FS employees)
Ugeskr Agron Hortonomer Forstkandidater Licentiater
Ukr Biokhim Zh
USDA For Serv Gen Tech Rep FPL U S For Prod Lab
USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep NE U S Northeast For Exp Stn
USDA For Serv Res Note PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Res Pap INT U S Intermt For Range Exp Stn
USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)
USDA For Serv Res Pap NE (U S Northeast For Exp Stn)
USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Res Pap SE U S Southeast For Exp Stn
USDA For Serv Res Pap SO U S South For Exp Stn
Va J Sci
VAE (Va Agric Econ)
Vara Palsd
Veelar
Versuchsergeb Bundesanst Pflanzenbau Samenprufung
Vestis Latv PSR Zinat Akad
Vestn Cesk Spol Zool
Vestn Ser Geol Geogr Leningr Univ
Vestn Stat
Vet Bull
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Vet Microbiol
Vet Pathol
Vet Rec
Veterinaria (Villa Obregon)
Victorian Hortic Dig
Viz Kozl
VM SAC (Vet Med Small Anim Clin)
Vopr Ekon
Vyznach Prisnovod Vodor Ukr RSR
Water Air Soil Pollut
Water Pollut Control
Water Resour Bull
Water Supply Pap U S Geol Surv
Weed Sci
Weeds Today
Weeds Trees Turf
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Wood Fiber
Wood Sci
Wood Sci Technol
World Rev Anim Prod
Z Acker Pflanzenbau
Z Agrargesch Agrarsoziol
Z Angew Zool
Z Tierphysiol Tierernahr Futtermittelkd
Z Versuchstierkd
Z Zuckerind
Zemed Ekon
Zentralbl Allg Pathol Pathol Anat
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg II Naturwiss Abt
Zh Evol Biokhim Fiziol
Zh Prikl Khim
Zool Anz
Zootec Nutr Anim
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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from worldwide sources. The Bibliography includes citations of journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation, Lockheed Information Systems, and Bibliographic Retrieval Services.

Publications are considered for indexing by NAL if a summary, abstract or title is available in a language in which the indexers have expertise. Articles of substantial interest to the agricultural community are selected by specialists on the staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not generally included. Indexing on the processing of agricultural products is limited to those on primary processing. In general, material must have been published in the current year or the preceding year to be included by NAL, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles which would not otherwise be indexed in the *Bibliography of Agriculture* are included for USDA authored, sponsored, or published materials. FNIC and AAEDC place no limitation on date of publication for entry into the data base. Abstracts and subject terms provided by FNIC and AAEDC are not published, although they are available in AGRICOLA.

The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

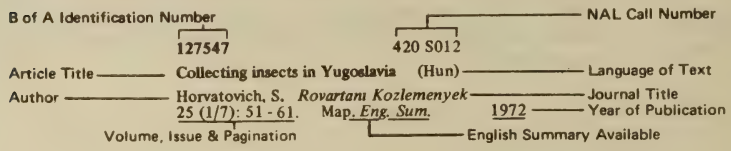
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

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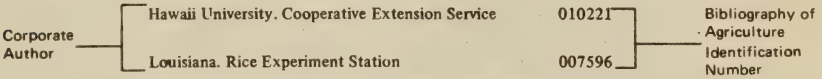
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

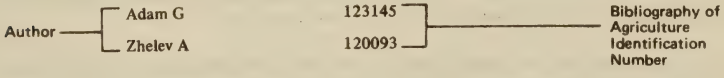
CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the Library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 38,000 terms. The file is organized so that in many cases synonymous terms are grouped together under a single subject heading. Thus, singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in boldface type. The alphabetic sequence is by the secondary (boldface) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES
Alkylpyrazines in processed **American** *cheese*. 022750
Cheddar *cheese* made with bovine pepsin. I. Yield and quality of cheese. 022755
Hydrolysis of milk proteins by bacteria [Brevibacterium linens, Propionibacterium shermanii] used in *cheese* making. 022751
Sensory evaluation of meat products containing **coagulated** *cheese* whey lactalbumin [Dairy waste utilization]. 022758
Enrichment of pasta with **cottage** *cheese* whey proteins. 022413
Change of impurity provisions of the *cheese* and **dairy** product decrees [Legislation, consumer protection]. 021927
Enzymes of Penicillium roqueforti [mold] involved in the biosynthesis of *cheese* **flavor.** 022725
Novel caseinate—effects natural functional properties for **imitation** *cheese*. 022730
The present cheese situation and international activity for **increasing** *cheese* production in developing countries [Prospects, programs and economic aspects]. 021632
Is the powdered skimmed milk problem a threat for the *cheese* **industry?** [Marketing]. 021524
The **present** *cheese* situation and international activity for increasing cheese production in developing countries [Prospects, programs and economic aspects]. 021632
Partially delactosed whey used as NFDM [nonfat dry milk] replacement in **process** *cheese* food offers economic advantages. 022731
Cheddar cheese made with bovine pepsin. I. Yield and **quality** of *cheese*. 022755
Free fatty acids and products of their transformations in **rennet** *cheeses*. 022795
Xanthan gum galactomannan system improves functionality of *cheese* **spreads**. 022732
Comparative evaluation of three media used for detection of **staphylococci** in *cheese*. 021751
Influence exercised by [the yeast] Saccharomyces oviformis during maturation of **Teleme** *cheese*. 022801
Characteristics of Norwegian **whey** *"cheese"*. 022733
Microbial quality of *cheese* **whey** samples from various factories in southern Ontario [Feed contamination, water pollution]. 023376

Many general terms have been deleted from the control vocabulary since 1975, and work has just been finished on a more complete list of specific terms. *Agricultural Terms*, the second edition of the *Thesaurus of Agricultural Terms*, reflects all the changes made in the control vocabulary through December 1977. This second edition is now available.

The last item of each entry in the Subject Index is the six-digit *Bibliography of Agriculture* Identification Number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, microfilm or xero-

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A E Ext N Y State Coll Agric Life Sci Dep Agric Econ
Abeilles & Fleurs
Abh Verh Naturwiss Ver Hamb
Acarologia
Acarologie
Acta Agric Scand
Acta Anat
Acta Chim
Acta Endocrinol
Acta Entomol Bohemoslov
Acta Hortic
Acta Med Vet
Acta Phys Chem
Acta Zool Fenn
Actuel Dev
Adansonia
Adv Bot Res
Adv Chem Ser
Adv Mod Nutr
Afr Environ
Agric Agroind J
Agric Biol Chem
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Eng (St Joseph, Mich)
Agric Enterp Stud Engl Wales Econ Rep
Agric Ext Serv Univ Minn Spec Rep
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Res
Agric Situat U S Dep Agric Stat Rep Serv
Agrichem Age
Agricultura (Louvain)
Agriculture (Paris)
Agrochemia (Bratisl)
Agrochemophysica
Agrohemija
Agrokem Talajtan
Agron J
Agrotike
Aktuel Lantbrukshogsk (Upps)
Aktuelt Landbruksdep Opplysningstjeneste Norw
All Gazdasag
Allg Forstztg
Almond Facts
Am Dairy Rev
Am Fern J
Am J Anat
Am J Public Health
Am J Vet Res
Am Nurserym
Am Potato J
Anal Biochem
Anal Situac Agric Sinaloa Confed Asoc Agric Estado Sinaloa Dep Estud Econ Estad
Analyst
Angew Makromol Chem
Angew Parasitol
Anim Behav
Anim Blood Groups Biochem Genet
Anim Breed
Anim Prod
Ann Appl Biol
Ann Bot
Ann Falsif Expert Chim
Ann Geogr
Ann Mus Civ Stor Nat Giacomo Doria
Ann Nutr Aliment
Ann Soc Entomol Que
Ann Zootech
Annot Bibl Commonw Bur Anim Breed Genet
Annot Bibliogr Commonw Bur Anim Breed Genet
Annot Bibliogr Commonw Bur Anim Health
Annu Prog Rep Oak Ridge Natl Lab Environ Sci Div
Annu Rep Ind Agric Exp Stn
Annu Rev Biophys Bioeng
Anu Soc Broter
Appl Entomol Zool
Applied Environ Microbiol
Arable Farming
Arb DLG (Dtsch Landwirtsch Ges)
Arboric Fruit
Arboric J
Arch Biochem Biophys
Arch Exp Veterinarmed
Arch Int Physiol Biochem
Arch Microbiol
Arch Phytopathol Pflanzenschutz
Arch Tierernahr
Arch Tierz
Arch Toxikol
Arch Vet Ital
Arch Virol
Arch Zootec
Arkansas Farm Res
Arsberet Vedkomm Nor Fisk Norw Fiskeridir
Atherosclerosis
Aust Entomol Mag
Aust For Ind J
Aust J Agric Econ
Aust J Biol Sci
Aust J Chem
Aust J Exp Agric Anim Husb
Aust J Zool Suppl Ser
Aust Vet J
Av Aliment Mejora Anim
Bee World
Begonian
Beitr Biol Pflanz
Belle Glade AREC Res Rep EV Univ Fla (Agric Res Educ Cent)
Bergland, Bob Selmer (Addresses, Statements, Etc.)
Berl Munch Tierarztl Wochenschr
Bibl Sel'sk Profsoiuznogo Akt
Bienenpflege
Biken J
Biochem Biophys Res Commun
Biochem J
Biochem Physiol Pflanz
Biochemistry (Easton)
Biochim Biophys Acta
Biol Bull Acad Sci USSR
Biol Cell
Biol Conserv
Biol Moria
Biol Notes Ill Nat Hist Surv
Biol Plant
Biol Unser Zeit
Biol Vnutr Vod
Bioorg Chem (N Y)
Biotropica
Biul Vses Nauchno-Issled Inst Fiziol Biokhim Pitan S-kh Zhivotn
Blyttia
Bol Soc Quim Peru
Bol Tec Inst Pesqui Agron
Bol Tec Univ Chile Fac Cienc For
Boll Zool
Bot Bull
Bot Gaz
Bot J Linn Soc
Bot Mar
Bot Rev
Bot Zh
Br Farmer Stockbreed
Br J Nutr
Bul Kebun Raya
Bull Acad Pol Sci, Ser Sci Biol
Bull Agric Exp Stn Auburn Univ
Bull Agric Exp Stn Univ Del
Bull Agric Ext Stn Utah State Univ
Bull Anim Health Prod Afr
Bull CETIOM (Cent Tech Interprof Ol Metrop)
Bull Cl Sci, 5e Ser Acad R Belg
Bull Entomol Soc Can
Bull Environ Contam Toxicol
Bull Idaho Agric Exp Stn Univ Idaho Coll Agric
Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)
Bull Inf Rizic Fr
Bull Inst Tech Porc
Bull Int Assoc Sci Hydrol
Bull Mens Soc Linn Lyon
Bull Minist Agric Rural Dev Malays
Bull Miss Agric For Exp Stn
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Bull Soc R Bot Belg
Bull Soc R For Belg
Bull Soc Sci Vet Med Comp Lyon
Bull Tech Inf Minist Agric (Paris)
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull Victoria Univ Manch Dep Agric Econ
Bull World Health Organ
C R Hebd Seances Acad Sci, Ser D Sci Nat
Cafe Cacao The
Cah Nat
Cah Ser Hydrol ORSTOM (Off Rech Sci Tech Outre-Mer)
Cah Ser Pedol ORSTOM (Off Rech Sci Tech Outre-Mer)
Calif Agric
Calif Ariz Cotton
Can Field Nat
Can Home Econ J
Can J Chem
Can J Comp Med
Can J Microbiol
Can J Public Health
Can J Zool
Can Wool Grow Sheep Breed
Carbohydr Res
Cashew News Teller
Cattleman
Cattlemen
CEAS Rep Wye Coll Cent Eur Agric Stud
Cell Differ
Cell Immunol
Cell Mass Inst Technol
Cell Tissue Res
Cenicafe
Cereal Chem
Cereal Foods World
Cerevisia
Chem Commun
Chem Erde
Chem Nat Compd
Chem Pharm Bull
Chem Times Trends
Chemosphere
Chinchilla World J
Chromatographia
Chromosoma
Cientifica
Circ Ciane Cent Invest Agric Noreste
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Ill Univ Coop Ext Serv
Citrus Sub-Trop Fruit J
Citrus Veg Mag
Clin Exp Immunol
Clin Vet
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Comp Biochem & Physiol C, Comp Pharmacol
Comp Physiol Ecol
Contrib Cent Res Inst Agric (Bogor)
Coop Fr
Coton Fibres Trop
Coton Fibres Trop (Engl Ed)
Cotton Dev
Countryside
Cow Moos
Cranberries
Crop Bull Can Grain Comm Grain Comm Res Lab (Winnipeg)
Ctry Life
Cukoripar
Curr Sci
Cutler, Malcolm Rupert (Addresses, Statements, Etc.)
Cytobiologie
Cytogenet Cell Genet
Cytol Genet
Dairy Herd Manage
Dairyman (Armadale)
Dan Pelsdyravl
Dan Skovforen Tidsskr
Dan Veterinaertidsskr
Darb Tr Ser C Ser V Liet TSR Mokslu Akad
De Econ
Decheniana
Def Veg
Dev Biol
Dev Comp Immunol
Dev Econ
Div Trop Crops Pastures Tech Pap Commonw Sci Ind Res Organ
Dohanyipar
Dokl Akad Nauk Az SSR
Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Drug Chem Toxicol
DTW (Dtsch Tierarztl Wochenschr)
E H P (Environ Health Perspect)
Earth Surf Processes
East Econ
Ecol Res Ser
Econ Agric
Econ Hist Rev
Econ Rurale Soc Fr Econ Rurale
Econ Soc Issues Calif Univ Davis Coop Ext Serv
Edesipar
Ekistics
Ekologiia
Ekon Sov Ukr
EL Arkansas Univ Coop Ext Serv
EM U S For Serv
Endocrinology
Energy Convers
Ensemble
Entomol Exp Appl
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Entomol Ger
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Entomol Probl
Entomol Rec J Var
Environ Exp Bot
Environ Monit Ser
Environ Plann A
Environ Prot Technol Ser EPA
Environ Sci Res
Equine Vet J
Erdo
ERFA (Erdogazdasag Faipar)
Esp Agric
Etud CNEEMA Cent Natl Etud Exp Mach Agric
Eur J Biochem
Eur J Pharmacol
Eur Rev Agric Econ
Eurofruit
Evk Allatgyogy Oltoanygellen Intez
Exp Agric
Exp Cell Res
Exp Gerontol
Experientia
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Mich State Univ Coop Ext Serv
Ext Fol Agric Ext Serv Univ Minn
Fac Ser Ga Univ Dep Agric Econ
Fam Living Top T Okla State Univ Coop Ext Serv
Farm Food Res
Farm Front
Farm Obz
Farmer Coop U S Farmer Coop Serv
Farmer Parliament
FAS-M U S Foreign Agric Serv
FEBS Lett (Fed Eur Biochem Soc)
Fed Proc Fed Am Soc Exp Biol
Feddes Repert
Feed Manage, East Ed
Feedstuffs
Fen Fak Mecm Ser B, Istanbul Univ Fen Fak
FIBRA
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Filamentous Fungi
Financ Agric
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Fjorfe
Fla Entomol
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Folia Histochem Cytochem
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Food Chem
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Proc Leeds Philos Lit Soc
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Proc Soc Am For
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Pulp & Pap Can
Pulp Pap
Punjab Hortic J
Q J For
Quat Res
Query File Commonw Bur Hortic Plant Crops
Radiat Res
RAK Riechst Aromen Kosmet
Ranch Mag
Rapp Inf LAU-X Laurentian For Res Cent Que Reg
Rapp Inst Bodemvruchtbaar
Rapp Uppsats Inst Skogsforyngr Skogshogsk (Stockh)
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Rev Hortic Suisse
Rev Iber Parasitol
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Rev Suisse Agric
Rev Suisse Vitic Arboric Hortic
Rev Vet Can
Rev Zool Afr
Rhod Vet J
Rhodora
Riv Coniglicolt
Riv Ing Agrar
Rostl Vyroba Cesk Akad Zemed Ustav Vedeckotech Inf
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Steroids
Stikstof ('S Grav)
Stud Biol Inst Biol (Lond)
Stud Inf, Lesn
Stud Inf, Vseob Otazky Zemed
Stud Inf Zemed Ekon
Sucr Fr
Sven Protidn
Sven Papperstidn
Sven Vet Tidn
Svetsko Prvenstvo Oraca
Syst Bot
Syst Entomol
Syst Zool
Szeszipar
Tabak
Tappi (Tech Assoc Pulp Paper Ind)
Tasman J Agric Tasman Dep Agric
Tea Q Tea Res Inst Sri Lanka
Tec Molit
Tech Bull N S W Dep Agric
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Teho
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Teratology
Tetrahedron Lett
The Atlantic Co-operator
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USDA For Serv Res Pap SE U S Southeast For Exp Stn
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Vcelarstvi
Ved Pr Vysk Ustavu Zivoc Viroby Nitre
Veg Newsl
Vegetatio
Veroff Land- Hauswirtsch Auswertungs-Informationsdienst
Versl Landbouwk Onderz Cent Landbouwpubl Landbouwdoc
Vesientutkimuslaitoksen Julk
Vestis Latv PSR Zinat Akad
Vestn Cesk Akad Zemed
Vet Econ
Vet Glas
Vet Med Nauki
Vet Prof Top Swine Prof Top
Vet Rec
Veterinaria
Veterinariia (Mosk)
Vigneron Champenois
Virology
Visnyk Akad Nauk Ukr RSR
Vlaam Diergeneeskd Tijdschr
VM SAC (Vet Med Small Anim Clin)
Vopr Ekon
Vopr Pitan
Waldhygiene
Water Res
Water Resour Invest
Weed Sci
Wiad Ekol
Wien Tierarztl Monatsschr
Wine & Spirit
Wintertagung
Wiss Z Humboldt Univ Berl
Wiss Z, Math Naturwiss Reihe
Wochenbl Papierfabr
Wood Fiber
Work Pap Sch For Environ Stud Yale Univ
Working Doc Ser Bolivia Gen Working Doc U S Agency Int Dev Bur Lat Am Rural Dev Div
World Crops Livest
World Econ
Worlds Poult Sci J
WRC Res Rep Ill Univ Water Resour Cent
Yayin Istanbul Univ Orman Fak
Z Acker Pflanzenbau
Z Angew Entomol
Z Ausl Landwirtsch
Z Kulturtech Flurbereinig
Z Lebensm Unters Forsch
Z Naturforsch Sect C Biosci
Z Pflanzenernahr Bodenkd J Plant Nutr Soil Sci
Z Pflanzenkr Pflanzenschutz
Z Pflanzenphysiol
Z Pilzkd
Zahradnictvo
Zemed Ekon
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg, I Abt Orig, Reihe A Med Mikrobiol Parasitol
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg I Abt Suppl
Zentralbl Veterinarmed, Reihe A
Zentralbl Veterinarmed, Reihe B
Zh Obshch Biol
Ziva
Zivocisna Vyroba
Zool Meded Rijksmus Nat Hist Leiden
Zoon
Zoonosis
Zootec Nutr Anim
Zootecnia (Sao Paulo)
Zrosh Zemlerob
Zucker

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Food Process Ind
Food Technol
Food Technol Aust
Food Technol N Z
Food Technol Rev
For Libr Bibliogr Ser Minn Univ St Paul Campus Libr For Libr
For Notes
For Prod J
For Res Southeast
For Serv Gen Tech Rep SO U S South For Exp Stn
Foreign Agric Circ Dairy FD U S Foreign Agric Serv
Foreign Agric Circ FTEA U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Econ Rep U S Dep Agric Econ Stat Coop Serv
Foreign Agric U S Foreign Agric Serv
Foreman, Carol Tucker (Addresses, Statements, Etc.)
Forpridecom Tech Note For Prod Res Ind Dev Comm
Fort Pierce ARC Res Rep RL Fla Univ Agric Res Cent
Fortschr Bot
Fortschrittsber Landwirtsch Nahrungsguterwirtsch
Forum Sekolah Pasca Sarjana Inst Pertanian Bogor
Fourrages Actual
Fr Agric
Frass
Fremontia
Frugtavleren
Fruit Var J
Funct Photogr
FWS/OBS U S Fish Wildl Serv Off Biol Serv
Ga Vet
Garden
Gart Kleintierzucht, C Imker
Gartenbaul Versuchsber Landwirtsch Rheinl Abt Gemuse Obst Gartenbau
Gartneryrket
Gaz Apic
Gazdalkodas
GC HTJ
Genet Res
Genet Slechteni
Gerfaut
Gesunde Pflanz
Gewasbescherming
Gidrobiol Zh
Giessener Beitr Entwicklungsforsch Reihe I Symp
Gorsko Stopanstvo
Gorskostop Nauka
Gottinger Floristische Rundbriefe
Grain Sorghum Res Util Conf
Grass J Br Assoc Green Crop Driers
Greenhouse
Grounds Maint
Grundlagen Landtech
Hassadeh
Hawaii Gard
Helv Chim Acta
Herba Hung
Hidrol Kozl
Histochemistry
Hoards Dairym
Holz Roh Werkst
Home Econ Res J
Home Gard Bull U S Dep Agric
Horm & Behav
Hortic Ind
Hutoipar
Hydrobiologia
Hydrol Water Resour Ariz Southwest
IAWA Bull (Int Assoc Wood Anat)
ICID Bull (Int Comm Irrig Drain)
IKO Inn Kolonisation Land Gemeinde
Imkerfreund
In Analysis of Foods and Beverages; Headspace Techniques. G. Charalambous, ed.
In Biologicheskie metody bor'by s krovososushchimi nasekomymi i kleshchami. L. F. Romasheva, ed.
In Biomolecular Structure and Function; Proceedings of a Symposium
In Cell, Tissue, and Organ Cultures in Neurobiology; Proceedings of the International Workshop
In Conference on Hydrometeorology
In Cultivation & Utilisation of Medicinal and Aromatic Plants. C. K. Atal & B. M. Kapur, eds.
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Indian Poult Rev
Indian Silk
Inf Agric (Paris)
Inf Rep FMR-X For Manage Inst Ottawa
Inf Rep IP-X Insect Pathol Res Inst
Inf Rep VP-X West For Prod Lab Vancouver
Inquinamento
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Int J Vitam Nutr Res
Int Pest Control
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Int Sugar J
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Invest Inf Text Tens
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Irrig Power
Ital Agric
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J Reprod Fertil
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J Sci Agric Soc Finl
J Sci Food Agric
J Soc Dairy Technol
J Soil Sci
J Soil Water Conserv
J Stored Prod Res
J Supramolecular Struct
J Vet Med Educ
Jahrb Imkers
Jahresh Ges Naturkd Wurttemb
Jap J Med Sci Biol
Jarmuvek, Mezogazd Gepek
JIPA J Indian Potato Assoc
Jord Myr
Kadry Sel'sk Khoz
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L'Action Vet
Lait
Lambillionea
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Landbouwkd Tijdschr
Landbouwmechanisatie
Landbrukstidende
Landwirtsch-Angew Wiss Bundesminist Ernahr Landwirtsch Forsten Ger (Fed Repub)
Laporan Rep Lembaga Penelitian Hasil Hutan
Latv Entomol
Leafl Agric Exp Stn Auburn Univ
Leben Erde
Lect Harold L Lyon Arbor
Len Konoplia
Lesovod Agrolesomelior
L'Hortic Fr
Life Sci
Lighter
Lipids
LWT (Lebensmitt Wissensch Technol)
M A F E S Res Highlights (Miss Agric For Exp Stn)
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Maize News
Malays Vet J
Mar Biol
Mat Metody Ekon Latv PSR Zinat Akad Ekon Inst
Maydica
Meat Sci
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Medd Statens Planteavlsforsog Den
Meded Landbouwhogesch Wageningen
Mediteranee
Meheszet
Meieriposten
Mek Sil'k Hospod
Meld Nor Landbrukshogsk
Mem Am Entomol Inst
Mem Natl Sci Mus (Tokyo)
Mem Soc Fauna Flora Fenn
Meteorol Gidrol
Metod Zavad Vysled Vyzk Praxe
Mets Puit Paber Les Drev Bum
Mezsaimn Mezrupnieciba
Miasn Ind SSSR
Mich Farm Econ
Microbiol Immunol
Microsc Acta
Mikrochim Acta
Milchwirtsch Ber Bundesanst Wolfpassing Rotholz
Milchwissenschaft
Milling Feed Fert
Minn Agric Econ
Minn Sci
Misc Publ U S Dep Agric
Mitt Biol Bundesanst Land Forstwirtsch (Berlin-Dahlem)
Mitt Entomol Ges Basel
Mitt Geb Lebensmittelunters Hyg Trav Chim Aliment Hyg Switz Gesundheitsamt
Mitt Obstbauversuchring Jork
Mo Vet
Mol Gen Genet (MGG)
Molochn Prom-st'
Mosc Univ Soil Sci Bull
Moscow Univ Biol Sci Bull
MP Tex Agric Exp Stn
Mukomol'no Elevat Kombikormovaia Prom-st'
Mutat Res
N D Farm Res N D Agric Exp Stn
N D Res Rep
N Z Agric Sci
N Z Fert J
N Z J Agric
N Z J Agric Res
N Z J Exp Agric
N Z Vet J
Nahrung
Nat & Resour
Nature
Naturwissenschaften
Nauchn Tr Nauchno-Issled Proekt Tekhnol Inst Mekh Elektrif Sel'sk Khoziaistva Sev-Zapada
Neth J Plant Pathol
Nev Horse Life
New Ecol
Newsl Assoc Off Seed Anal
Nihon Sakumotsu Gakkai Kiji Jap J Crop Sci
Nor Pelsdyrbl
Nord Mejeritidsskr
North Log Timber Process
Norw J Bot
Not Galapagos
Nouv Avic
Novenytermeles
Novenyvedelem
Nucleic Acids Res
Occas Pap Mauritus Sugar Ind Res Inst
Oecologia
Off Publ AAPFCO (Assoc Am Plant Food Control Off)
Oils Oilseeds J
OKL Arb Osterreichisches Kuratorium Landtech
Oreg Agric Prog
OSU Ext Facts Sci Serv Agric Okla State Univ Coop Ext Serv
P Phys Div Sask Res Counc
Pac Insects Monogr
Pap Puu
Parasitica
Parasitology
PB U S Natl Tech Inf Serv
Pchelarstvo
Peanut J Nut World
Pecan South
Pedobiologia
Pepinier Hortic Maraich
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Pflugers Arch
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PM Iowa State Univ Sci Technol Ames Coop Ext Serv
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INSECT PESTS AND CONTROL—FOREST TREES, PRODUCTS ..... 096108 – 096222
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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from worldwide sources. The Bibliography includes citations of journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation, Lockheed Information Systems, and Bibliographic Retrieval Services.

Publications are considered for indexing by NAL if a summary, abstract or title is available in a language in which the indexers have expertise. Articles of substantial interest to the agricultural community are selected by specialists on the staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not generally included. Indexing on the processing of agricultural products is limited to those on primary processing. In general, material must have been published in the current year or the preceding year to be included by NAL, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles which would not otherwise be indexed in the *Bibliography of Agriculture* are included for USDA authored, sponsored, or published materials. FNIC and AAEDC place no limitation on date of publication for entry into the data base. Abstracts and subject terms provided by FNIC and AAEDC are not published, although they are available in AGRICOLA.

The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

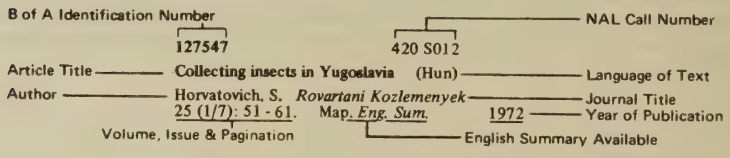
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic		
(Bur)	Burmese	(Ind)	Indonesian	(Scr)	Serbo-Croatian (Roman)
(Chi)	Chinese	(Ita)	Italian		
(Cze)	Czech	(Jpn)	Japanese	(Slo)	Slovak
(Dan)	Danish	(Kor)	Korean	(Slv)	Slovenian
(Dut)	Dutch	(Lat)	Latin	(Spa)	Spanish
(Est)	Estonian	(Lav)	Latvian	(Swe)	Swedish
(Fin)	Finnish	(Lit)	Lithuanian	(Tha)	Thai
(Fle)	Flemish	(Mac)	Macedonian	(Tur)	Turkish
(Fre)	French	(Nor)	Norwegian	(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

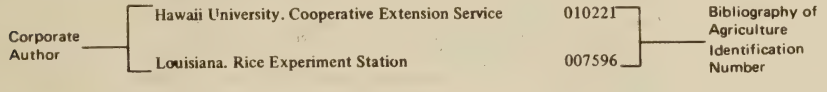
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the Library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 38,000 terms. The file is organized so that in many cases synonymous terms are grouped together under a single subject heading. Thus, singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in boldface type. The alphabetic sequence is by the secondary (boldface) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES
Alkylpyrazines in processed **American** *cheese*. 022750
Cheddar *cheese* made with bovine pepsin. I. Yield and quality of cheese. 022755
Hydrolysis of milk proteins by bacteria [Brevibacterium linens, Propionibacterium shermanii] used in *cheese* making. 022751
Sensory evaluation of meat products containing **coagulated** *cheese* whey lactalbumin [Dairy waste utilization]. 022758
Enrichment of pasta with **cottage** *cheese* whey proteins. 022413
Change of impurity provisions of the *cheese* and **dairy** product decrees [Legislation, consumer protection]. 021927
Enzymes of Penicillium roqueforti [mold] involved in the biosynthesis of *cheese* **flavor**. 022725
Novel caseinate—effects natural functional properties for **imitation** *cheese*. 022730
The present cheese situation and international activity for **increasing** *cheese* production in developing countries [Prospects, programs and economic aspects]. 021632
Is the powdered skimmed milk problem a threat for the *cheese* **industry?** [Marketing]. 021524
The **present** *cheese* situation and international activity for increasing cheese production in developing countries [Prospects, programs and economic aspects]. 021632
Partially delactosed whey used as NFDM [nonfat dry milk] replacement in **process** *cheese* food offers economic advantages. 022731
Cheddar cheese made with bovine pepsin. I. Yield and **quality** of *cheese*. 022755
Free fatty acids and products of their transformations in **rennet** *cheeses*. 022795
Xanthan gum galactomannan system improves functionality of *cheese* **spreads**. 022732
Comparative evaluation of three media used for detection of **staphylococci** in *cheese*. 021751
Influence exercised by [the yeast] Saccharomyces oviformis during maturation of **Teleme** *cheese*. 022801
Characteristics of Norwegian **whey** *"cheese"*. 022733
Microbial quality of *cheese* **whey** samples from various factories in southern Ontario [Feed contamination, water pollution]. 023376

Many general terms have been deleted from the control vocabulary since 1975, and work has just been finished on a more complete list of specific terms. *Agricultural Terms*, the second edition of the *Thesaurus of Agricultural Terms*, reflects all the changes made in the control vocabulary through December 1977. This second edition is now available.

The last item of each entry in the Subject Index is the six-digit *Bibliography of Agriculture* Identification Number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, microfilm or xero-

graphic copies of documents may be purchased from the Photoduplication Service of the National Agricultural Library, U. S. Department of Agriculture, Beltsville, Maryland 20705. Such requests must include the complete citation as well as the Library's call number or, for agricultural economics items not cataloged by the National Agricultural Library, the identification number in the call number position.

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Additional information on NAL's photoduplication services is available from Chief, Lending Division, National Agricultural Library, Beltsville, Maryland 20705.

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AGRICULTURAL TERMS is an extensive revision and expansion of the *Thesaurus of Agricultural Terms.* It contains more than 37,000 agricultural terms— the completely revised vocabulary on which the subject index of *The Bibliography of Agriculture is based.*

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These terms are applicable for on-line searching of all three subfiles: CAIN, FNC (Food and Nutrition), and Agricultural Economics. Your searches will be easier, faster, and more economical with a copy of AGRICULTURAL TERMS at each terminal.

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LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A E Ext N Y State Coll Agric Life Sci Dep Agric Econ
Acarologie
ACE Am Assoc Agric Coll Ed
ACS Symp Ser (Amer Chem Soc)
Acta Anat
Acta Biol (Budap)
Acta Biol Iugosl, Ser F Genet
Acta Biol Med Ger
Acta Bot Neerl
Acta Chem Scand Ser B Org Chem Biochem
Acta Entomol Bohemoslov
Acta Histochem
Acta Hortic
Acta Parasitol Pol
Acta Physiol Scand
Acta Vet Scand
Acta Virol
Acta Vitaminol Enzymol
Acta Zool Cracov
Acta Zool Cracov (Transl)
ADC Semin Rep Agric Dev Counc
Adv Agron
Adv Microb Physiol
Advis Leafl G B Minist Agric Fish Food
Aerial Appl
Ag Stat N D Crop Livest Rep Serv
Agrartechnik
Agrarwirtschaft Sonderh
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Enterp Stud Engl Wales Econ Rep
Agric Handb U S Dep Agric
Agric Inf Bull U S Dep Agric
Agric Meteorol
Agric North Irel
Agric Situat India India Dir Econ Stat
Agric Situat U S Dep Agric Stat Rep Serv
Agric Syst
Agric Technol
Agric Water Manage
Agric Weather Res Ser
Agrichem Age
AGRI/MECH Econ Comm Eur Comm Agric Probl
Agrologist
Agron A Ser Monogr Am Soc Agron
Agron Abstr
Agron J
Agron Prog Rep
Agron Sulriograndense
Aktuelt Landbruksdep Opplysningstjeneste Norw
Ala For
Alexanor
All Gazdasag
Allg Forstz
Am Dairy Rev
Am Farriers J
Am For
Am J Anat
Am J Clin Nutr
Am J Enol Vitic
Am J Public Health
Am J Trop Med Hyg
Am J Vet Res
Am Nat
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Am Rabbit J
Anal Biochem
Anat Rec
Anim Behav
Anim Feed Sci Technol
Anim Learn Behav
Anim Nutr Health
Ann Agric Fenn
Ann Biol Anim Biochim Biophys
Ann Entomol Soc Am
Ann Fac Med Vet Torino
Ann Fac Sci Agrar Univ Stud Napoli Port
Ann Genet Sel Anim
Ann Microbiol
Ann Mo Bot Gard
Ann N Y Acad Sci
Ann Nutr Aliment
Ann Phytopathol
Ann Phytopathol Soc Jap
Ann Sci Text Belg
Ann Trop Med Parasitol
Ann Zool Ecol Anim
Ann Zootech
Annot Bibliogr Commonw Bur Anim Breed Genet
Annu Prog Rep Southeast La Dairy Pasture Exp Stn
Annu Rev Plant Physiol
Anz Schadlingskd Pflanzenschutz Umweltschutz
Apidologie
APPITA (Aust Pulp Pap Ind Tech Assoc)
Applied Environ Microbiol
Aquat Bot
Arch Biochem Biophys
Arch Gefluegelkd
Arch Int Pharacodyn Ther
Arch Ital Biol
Arch Lebensm Hyg
Arch Pharm Ber Dtsch Pharm Ges
Arch Protistenkd
Arch Tierernahr
Arch Toxikol
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
Arsskr Nor Skogplant
ASTM Stand News
Atherosclerosis
Atmos Environ
Atti Rend Accad Naz Lincei
Aus Walde Mitt Niedersaechs Landesforstverwalt
Aust J Agric Res
Aust J Chem
Aust J Dairy Technol
Aust J Exp Biol Med Sci
Aust J Mar Freshwater Res
Aust J Zool Suppl Ser
Aust Tob Grow Bull
Aust Vet J
Avocado Grow
Bakers Dig
Bedrijfsontwikkeling Behaviour
Beret Statens Husdyrbrugsfors
Beton Landbau
BF Butter-Fat Mag
Bibl Int Inst Land Reclam Improv
Bibl Wiad IMUZ (Inst Melior Uzytkow Zielon)
Big Farm Manage
Bi-Mon Res Notes Can For Serv
Biochem Biophys Res Commun
Biochem J
Biochemistry (Easton)
Biochim Biophys Acta
Biol Cell
Biol Plant
Biol Reprod
Biol Vnutr Vod
Biol Zentralbl
Biol Zh Arm
Biologia (Budap)
Biologia Ser A Bot
Biomed Mass Spectrom
Biomedicine
Biometrics
Bioorg Khim
Biotechnol Bioeng
Biull Gl Bot Sada
Bot Bull Acad Sin, New Ser
Bot J Linn Soc
Bot Mag
Bot Zh
Br J Nutr
Br Poult Sci
Br Vet J
Branntweinwirtschaft
Brauwelt
Brauwissenschaft
Brew Guardian
Buckeye Triune
Bull Acad Pol Sci, Ser Sci Biol
Bull Acad Vet Fr
Bull Alaska Agric Exp Stn Fairbanks
Bull Am Dahlia Soc
Bull Anim Health Prod Afr
Bull Biol Fr Belg
Bull Br Mus Nat Hist Zool
Bull Coll Agric Res Cent Wash State Univ
Bull Colo Flower Grow Assoc Coop Colo A M Coll
Bull Conn Univ Coop Ext Serv
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Ec Natl Super Agron Ind Aliment Nancy
Bull Ill Agric Exp Stn
Bull Inst Zool Acad Sin
Bull Miss Agric For Exp Stn
Bull O I V (Off Int Vigne Vin)
Bull OEPP (Organ Eur Mediterr Prot Plant)
Bull Soc Bot Fr
Bull Taiwan For Res Inst
Bull Tech Inf Minist Agric (Paris)
Bull Tex Agric Exp Stn
Bull Tex Crop Livest Rep Serv
Bull Univ Maine Orono Life Sci Agric Exp Stn
Butter Fat Solids
Buvar
C R Hebd Seances Acad Sci, Ser D Sci Nat
C R Seances Soc Biol Fil
Cac Suc J G B
Cactus Succulent J
Cah I E A (Inst Econ Agric Brux)
Cah O R S T O M Ser Ent Med Parasitol (Off Rech Sci Tech Outre-Mer)
Calif Farmer (Cent Ed)
Can Entomol
Can Fruitgrower
Can J Biochem
Can J Bot
Can J Chem
Can J For Res
Can J Genet Cytol
Can J Microbiol
Can J Physiol Pharmacol
Can J Plant Sci
Can J Zool
Can Wheat Cargoes Q Bull
Carbohydr Res
Cas Slezskeho Mus Acta Mus Silesiae Ser A Vedy Prir Sci Nat
Cas Slezskeho Muz, Ser C Dendrol
Cattleman
CD Coop Ext Serv Kans State Univ
CEER Chem Econ Eng Rev
Cell Biol Monogr
Cell Immunol
Cell Surf Rev
Cell Tissue Res
Cellul Carta
Cereal Chem
Cereal Trials Kings Tulare Fresno
Ceres (Ions)
Ceska Mykol
Chem Ber Ges Dtsch Chem
Chem Ind Soc Chem Ind
Chem Pharm Bull
Chinchilla World Trade J
Chromosoma
Chron Przyr Ojczysta
Chronobiologia
Chung-hua Min Kuo Shou I Hsueh Hui Tsa Chih
Circ Agric Exp Stn Auburn Univ
Circ Coll Agric Res Cent Wash State Univ
Circ Coop Ext Serv Univ Hawaii
Circ Ill Univ Coop Ext Serv
CNRS Res Cent Natl Rech Sci
Comp Biochem & Physiol B, Comp Biochem
Confect Prod
Connaiss Vigne Vin
Contrib Sci Los Ang Cty Nat Hist Mus
Coop Ext Pub La State Univ Agric Mech Coll Coop Ext Serv
Cornell Int Agric Bull
Coton Fibres Trop
Countryside
Crop Sci
Crops Soils Mag
Ctry Life
Curr Inf Ser Idaho Univ Coop Ext Serv
Curr Sci
Cytobiologie
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Differentiation
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Dokl Akad Nauk SSSR
Dokl Akad Nauk Uzb SSR
Dokl Vses Akad S-kh Nauk
Dtsch Lebensm Rundsch
Dtsch Molk Ztg
DTW (Dtsch Tierarztl Wochenschr)
DVM (Chicago)
Ecol Bull Statens Naturvetensk Forsk
Ecol Model
Ecol Res Ser
Econ & Polit Wkly
Econ Bot
Econ Issues
Econ Rep Minn Univ Dep Agric Appl Econ
Econ Res Rep ER Wine Inst
Ecotoxicol Environ Qual
Educ Chem
Effluent Water Treat J
Egypt J Anim Prod
Egypt J Phytopathol
Egypt J Soil Sci
Egypt J Vet Sci
Einzelbericht Forschungsges Agrarpolit Agrarsoziologie Bonn
Ekon Sel'sk Khoz
Ekon Sov Ukr
EL Arkansas Univ Coop Ext Serv
Endocr Res Commun
Endocrinology
Energy Commun
Entomol Ber (Amsterdam)
Entomol Medd
Entomol News
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Entomologiste
Environ Entomol
Environ Manage
Environ Pollut
Environ Prot Technol Ser EPA Erdo
ERFA (Erdogazdasag Faipar)
Ernahrungsforsch Wiss Prax
Esakia
Estuarine Coastal Mar Sci
Etud Rurales Paris Ec Hautes Etud Sci Soc
Euphytica
Eur J Appl Microbiol Biotech
Eur J Biochem
Eur J Pharmacol
Evol Agric Mens Tec Attual Agric Zootech
Evolution
Exp Mol Pathol
Ext Bull Mich State Univ Coop Ext Serv
Ext Bull Oreg State Univ Ext Serv
Ext Circ Oreg State Univ Ext Serv
Ext Circ Univ R I Coop Ext Serv
Ext Fol Agric Ext Serv Univ Minn
F. O. Licht's Int Sugar Rep
Faipar

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Fam Living Top T Okla State Univ Coop Ext Serv
Farm Chem
Farm Credit Leader
Farm Ranch Home Q
Farmer Parliament
Farmers Bull U S Dep Agric
Farmstock
FEBS Lett (Fed Eur Biochem Soc)
Feed Ind Rev
Feed Manage. East Ed
Feedstuffs
FEMS Symp Fed Eur Microbiol Soc
Fermes Mod
Fert Prog
Field Drain G B Minist Agric Fish Food
Field Notes U S For Serv
Filamentous Fungi
Fiziol Biokhim Kult Rast
Fiziol Rast (Mosk)
Fiziol Rast (Sofiia)
Fla Cattlem Livest J
Fla Food Resour Econ
Fla Sci
Flora Sporovykh Rast Kaz Akad Nauk Kaz SSR
Florists Rev
Flower And Gard West Ed
Folia Biol (Krakow)
Folia For
Folia Microbiol
Food Eng
Food Irradiat Inf
Food Prod Dev
Food Prod/Manage
Food Technol Aust
For Prod Util Bull U S For Serv Div State Priv For Southeast Area
For Serv Res Note NE U S Northeast For Exp Stn
For Tech Rep Can For Serv
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Econ Rep U S Dep Agric Econ Stat Coop Serv
Foreign Agric Trade U S Dep Agric Econ Stat Coop Serv
Foreign Agric U S Foreign Agric Serv
Forestry
Forsch Sitzungsber Akad Raumforsch Landespl
Fr Agric
Fragm Faun Pol Akad Nauk Inst Zool
Frugtavleren
G Allevatori
Ga Agric Res
Ga Agron Abstr
Ga Vet
Gart Kleintierzucht, C Imker
Gartenbau
Gartenbaul Versuchsber Landwirtsch Rheinl Abt Gemuse Obst Gartenbau
Gartenpraxis
Gartneryrket
Gazdalkodas
GC HTJ
Gen & Comp Endocrinol
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Genen Phaenen
Genet Lect
Genet Pol
Genetics
Geoderma
Getreide Mehl Brot
Gewasbescherming
Gidroliz Lesokhim Prom-st'
Glean Bee Cult
Gorskostop Nauka
Govteria
Greenhouse
Ground Water
Grounds Maint
Grundlagen Landtech
Gujarat Agric Univ Res J
Hassadeh
Heredity
Hidrol Kozl
Hoards Dairym
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Horm Cell Regul
Hortic Ind
Hortsci
Hrana Ishrana
Hydrobiologia
I I R B (Inst Int Rech Better)
Iceberg Lettuce Res Program Annu Rep
In Advances in Civil Engineering Through Engineering Mechanics
In Agric Effic; A Royal Society Discussion On The Manage Of Inputs For Yet Greater Agric Yield And Effic
In Biochemistry of Silicon and Related Problems; Proceedings of the Nobel Symposium
In Biological Oxidation of Nitrogen; Proc of the Int Symp on the Biol Oxid of Nitrogen in Org Mol
In Conference on Planned and Inadvertent Weather Modification
In Current Aspects of Food Colorants. T. E. Furia, ed.
In Current Trends in Indian Environment; Proceedings of the Workshop on Environmental Education
In Energy Use Management; Proceedings of the International Conference
In International Consultation on Ipil-Ipil Research; Papers And Proceedings
In International Symposium on Soil Structure Interaction
In Limitations And Potentials For Biological Nitrogen Fixation In The Tropics: International Latin American Symposium
In National Salmonellosis Seminar; Proceedings
In Nutrition and Drug Interrelations, International Symposium on Nutrition and Drug Interrelations Proceedings
In Ocean Energy Resources Presented at the Energy Technology Conference
In Peptide Transport and Hydrolysis; Ciba Foundation Symposium
In Plant Environment and Efficient Water Use. W. H. Pierre & others, eds.
In Proceedings International Symposium on Urban Hydrology, Hydraulics and Sediment Control
In Report of the Public Meeting on Genetic Engineering for Nitrogen Fixation
In Rural Policy Research Alternatives. D. L. Rogers & L. R. Whiting, eds.
In Symposium on Physiology of Micro-Organisms, Bhagalpur University
In Technologies for Rural Health. D. A. J. Tyrrell, D. P. Burkitt & W. Henderson, eds.
In The Chemical Senses and Nutrition, M. R. Kare and O. Maller, eds.
In The Outlook for Isoglucose in the United States, Western Europe and Japan. H. Ahlfeld, ed.
In Towards A More Efficient Beef Chain; Doc Assembled For The Symposium Organised By The O.E.C.D.
In Transactions of the International Congress of Soil Science; Proceedings
In Vitro J Tissue Cult Assoc
In World Food, Pest Losses, and the Environment. D. Pimentel, ed.
Ind Aliment
Ind Obst Gemuseverwert
Indian Cof
Indian Drugs
Indian Food Pack
Indian For
Indian J Agron
Indian J Anim Sci
Indian J Biochem Biophys
Indian J Exp Biol
Indian J Genet Plant Breed
Indian J Med Res
Indian J Plant Physiol
Indian J Power River Val Dev
Indian Phytopathol
Indian Poult Rev
Indian Sugar
Indian Vet J
Indian Vet Med J
Inf Bull Int Maize Wheat Improv Cent
Inf Rep Water Res Inst W Va Univ
Inf Sheet Coop Ext Serv Miss State Univ
Inf Sheet Miss Agric For Exp Stn
Insectes Mal Arbres Reg Que
Int Biodeterior Bull
Int Flavours Food Addit
Int Fruit World
Int J Biometeorol
Int J Environ Stud
Int Rev Biochem
Int Sugar J
Int Z Landwirtsch
Inten Agric
Iowa State J Res
Iowa State Univ Vet
Ir J Agric Econ Rural Sociol
IRRI Res Pap Ser Int Rice Res Inst
Irrigazione
Istanbul Univ Vet Fak Derg J Fac Vet Med
ITC J (Int Inst Aerial Surv Earth Sci)
Izv Akad Nauk Gruz SSR Ser Biol Kaia Proc Acad Sci Georgian SSR Biol Ser
Izv Akad Nauk Mold SSR Ser Biol Khim Nauk
Izv Akad Nauk SSSR, Ser Biol
Izv Gos Nauchnoissled Inst Ozern Rechn Rybn Khoz
Izv Timiriazevsk S-kh Akad
J Agric Econ
J Agric Food Chem
J Agric (Melb)
J Agric Res China
J Agric Sci (Camb)
J Agric Soc Trinidad Tobago
J Agric Trop Bot Appl
J Agric Univ P R
J Agron Educ
J Air Pollut Control Assoc
J Am Chem Soc
J Am Oil Chem Soc
J Am Soc Sugar Beet Technol
J Am Vet Med Assoc
J Anat
J Anim Morphol Physiol
J Anim Sci
J Appl Bacteriol
J Appl Ecol
J Appl Physiol
J Ariz Acad Sci
J Assoc Off Anal Chem
J Atmos Sci
J Bacteriol
J Biol Chem
J Br Grassl Soc
J Bromeli Soc
J Cell Biol
J Cell Physiol
J Chem Ecol
J Chem Soc, Perkin Trans I
J Chin Agric Chem Soc
J Chromatogr
J Chromatogr Sci
J Clin Invest
J Comp Physiol
J Comp Physiol Psychol
J Consum Prod Flammability
J Dairy Res
J Dairy Sci
J Econ Entomol
J Electron Microsc
J Endocrinol
J Environ Econ Manage
J Exp Biol
J Exp Mar Biol Ecol
J Exp Zool
J Fac Agric Kyushu Univ
J Fac Sci Hokkaido Univ, Ser V Bot
J Food Process Eng
J Food Prot
J Food Qual
J Food Saf
J Food Sci
J For
J For Hist
J Gen Microbiol
J Geogr
J Helminthol
J Histochem Cytochem
J Hydrol
J Immunol Methods
J Indian Chem Soc
J Indian Soc Soil Sci
J Infect Dis
J Lipid Res
J Liq Chromatogr
J Med Microbiol
J Mol Biol
J Morphol
J N Y Entomol Soc
J Natl Assoc Coll Teach Agric
J Natl Inst Agric Bot
J Nutr
J Nutr Educ
J Nutr Sci Vitaminol
J Org Chem
J Parasitol
J Plant Crops
J Proc Inst Agric Eng (Lond)
J R Soc West Aust
J Range Manage
J S Afr Bot
J Sci Food Agric
J Sci Hiroshima Univ Ser B, Div 1 Zool
J Sci Ind Res
J Seric Sci Jap
J Soil Sci
J Soil Sci Soc Am
J Soil Water Conserv
J Steroid Biochem
J Submicrosc Cytol
J Tenn Acad Sci
J Test Eval
J Text Inst
J Therm Biol
J Timber Dev Assoc India
J Turk Phytopathol
Jahresh Ges Naturkd Wurttemb
Jap J Genet
Jarmuvek, Mezogazd Gepek
Jord Myr
K Skogs och Lantbruksakademiens Tidskr
Kalikasan
Kartoffelbau
Kertgazdasag
Kholod Tekh
Kistenyesztok Lapja
Konchu
Konzerv Paprikaip
Kraftfutter
L Nev Univ Coop Ext Serv
La Vie Agric Meuse
Lab Anim Sci
Land Hauswirtsch Auswert Informationd
Land Issues Probl Va Polytech Inst State Univ Coop Ext Serv
Land Reform Land Settlement Coop
Land Water
Landbouwmechanisatie
Landbrukstidende
Landscape Ind
Lantbruksstyr LBS Medd Swed
Laporan Lembaga Penelitian Hutan
Lawn Gard Mark
Leafl Coop Ext Serv Univ Ga Coll Agric
Leafl Minist Agric Fish Food (Lond)
Leafl U S Dep Agric
Len Konoplia
Lesnictvi
Life Sci
Lipids
Livest Advis
Livest Farming
Lloydia
M A F E S Res Highlights (Miss Agric For Exp Stn)
M Agric Ext Serv Univ Minn
Maataloushallituken Tied Finl Lantbruksstyr
Madrono
Maelkeritidende
Magy Allatorv Lapja
Malay Econ Rev
Malay For
Malay For Rec
Mar Pollut Bull
Mark Res Rep U S Dep Agric
MB Va Polytech Inst State Univ Coop Ext Serv
Md Poultryman
Meat Process
Medd Statens Cent Frokontrolanst
Medd Statens Planteavlsforsog Den
Medd Sven Traskyddsinst Rep Swed Wood Preserv Inst
Meded Lab Virol Landbouwhogesch (Wageninger)
Meheszet
Meieriposten
Mek Sil's'k Hospod
Melanderia
Melb Notes Agric Ext
Meld Nor Landbrukshogsk
Mem Bot Surv S Afr
Mem Lyman Entomol Mus Res Lab
Mem Tokyo Univ Agric
Merkbl Biol Bundesanst Land Forstwirtsch
Merkbl Deutsch Landwirtsch Ges
Metab Clin Exp
Meteorol Gidrol
Mets Puit Paber Les Drev Bum Metsantutkimuslait Julk
Mezhdunar S-kh Zh
Miasn Ind SSSR
Mich Bot
Mich Farm Econ
Microb Ecol
Microbiol Immunol
Microbios
Microscope
Mikrochim Acta
Milk Ind
Minn Agric Econ
Misc Publ Hawaii Univ Coop Ext Serv
Misc Publ U S Dep Agric
Misc Stud Univ Reading Engl Dep Agric Econ Manage
Mitt Bundesforschungsanst Forst Holzwirtsch
Mod Vet Pract
Mol Biol
Mol Cell Endocrinol
Mol Gen Genet (MGG)
Monatsh Veterinarmed
Mondo Latte
Monitor
Monogr Fauny Pol
Mosq News
Mosq Syst
Mt Grow
Muhle Mischfuttertech
Mukomol'no Elevat Kombikormovaia Prom-st'
Mushroom J
Mutat Res
Mysore J Agric Sci
N D Farm Res N D Agric Exp Stn
N Y Food Life Sci Bull
N Z J Exp Agric
N Z Soil Surv Rep
Nahrung
Natl Hardwood Mag
Natl Wool Grow
Nature
Naturwiss Rundsch
Nav Stores Rev Terpene Chem
Ned Bosbouw Tijdschr
Nematologica
Neth J Plant Pathol
Neth Milk Dairy J
New Ecol
New Engl Fruit Meet Proc Annu Meet Mass Fruit Grow Assoc
New Phytol
New Sci (London)
NIAB Farmers Leafl (Natl Inst Agric Bot)
NIAB Veg Grow Leafl (Natl Inst Agric Bot)
Nihon Sakumotsu Gakkai Kiji Jap J Crop Sci
Nor Skogind
Nor Veterinaertidskr
Nord Lantbruksekon Tidskr
Nord Mejeritidsskr
Nord Veterinaermed
North Am Pomona
North Log Timber Process
Northwest Lumberman
Northwest Sci
Nouv Avic
Nov Sist Vyssh Rast Akad Nauk SSSR Botan Inst
Novenytermeles
Novenyvedelem
Nutr Metab
Oecol Plant
Oecologia
Oecon Pol
Ohio Rep Res Dev Agric Home Econ Nat Resour
OKL Arb Osterreichisches Kuratorium Landtech
Okla Curr Farm Econ
Onderstepoort J Vet Res
Ontogenez
Opera Bot
Orchid Dig
Org Gard Farming
Oriental Insect
Osteuropastud Hochschulen Landes Hessen Reihe I, Giessener Abh Agrar Wirtschforsch Eur Ostens
OSU Ext Facts Sci Serv Agric Okla State Univ Coop Ext Serv
Outlook Wash United Fresh Fruit Veg Assoc
Ovoshtarstvo
PA U S Dep Agric
Pac Sci
Pak Dev Rev
Pan Pac Entomol
Pap Am Soc Agric Eng
Papua New Guinea Agric J
Parks
PB U S Natl Tech Inf Serv
Pchelarstvo
PCT Pest Control Technol
Peanut Farmer

Peanut J Nut World
Pedobiologia
Pedologie
Perspectives Biol Med
Pesticides
Pflugers Arch
Philipp J Coconut Stud
Philos Trans R Soc Lond, Ser B Biol Sci
Photogramm Eng Remote Sensing
Physiol Plant
Phytochemistry
Phytologia
Phyton
Phytopathol Mediterr
Phytopathology
Phytoprotection
Pig Farmer
Pishch Prom-st'
Plant Cell Physiol
Plant Dis Rep
Plant Food Rev
Plant Med
Plant Med Phytother
Plant Pat U S Pat Office
Plant Physiol
Planta
PNW Oreg State Univ Coop Ext Serv
Pochvovedenie
Pol Arch Weter
Pol'nohospodarstvo
Populier
Poult Guide
Poult Sci
Pr Szczecin Tow Nauk Wydz Nauk Przyr Roln
Pr VULHM (Vyzk Ustav Lesn Hospod Myslivosti)
Prakt Tier
Preslia
Proc Agric Res Inst (Wash, D C)
Proc Am Phytopathol Soc
Proc Annu Conv Assoc South Agric Work Inc
Proc Annu Meet N Y State Hortic Soc
Proc Beltwide Cotton Prod Mech Conf
Proc Broiler Hous Semin
Proc Helminthol Soc Wash
Proc Indian Acad Sci, Sec A
Proc Indian Acad Sci, Sec B
Proc Indian Natl Sci Acad, Part B Biol Sci
Proc Indiana Acad Sci
Proc N Z Grassl Assoc Conf
Proc N Z Soc Anim Prod
Proc Nutr Conf Feed Manuf
Proc Soc Am For
Proc Soc Exp Biol Med
Proc South Conf For Tree Improv
Prod R D
Prod Res Rep Agric Res Serv U S Dep Agric
Prof Geogr
Prof Pap U S Geol Surv
Prog Colloid Polym Sci
Prog Farmer Ga
Prog Farmer Ky
Prog Farmer N C
Prog Rep Idaho Agric Exp Stn
Prog Water Technol
Prostaglandins (Los Altos)
Publ Can Dep Agric
Publ Coop Ext Programs Univ Wis Ext
Publ Great Plains Agric Counc
Publ Inst Mech Arb Gebouwen
Publ Miss State Univ Coop Ext Serv
Publ Nat Hist Res Cent Baghdad
Publ Proefstn Rundveehouderij
Publ 2 Landbouw-Econ Inst Afd Structuuronderz
Publ 3 Landbouw-Econ Inst Afd Bedr Onderz Landbouw
Public Health Rep
Pulp & Pap Can
Pulp Pap
Q J Chin For
Q J Taiwan Mus
Q Rev Agric Econ Aust Bur Agric Econ
R I Resour
Rapp Inf LAU-X Laurentian For Res Cent Que Reg
Rapp Inst Bodemvruchtbaar
Rapp Inst Virkeslara Skogshogsk (Stockh)
Rapp Proefstn Rundveehouderij
Rapp Uppsats Inst Skogsforyngr Skogshogsk (Stockh)
Real Econ
Recl Med Vet
Regul Bull Ky Agric Exp Stn
Reihe Stud Fachbereich Int Agrarentwickl Tech Univ Berl
Rep U S For Serv North Reg Div State Priv For
Rep Univ Newcastle Upon Tyne Dep Agric Econ
Res Accomp U S South For Exp Stn
Res Bull Ga Exp Stn
Res Bull Idaho Agric Exp Stn
Res Bull Iowa Agric Home Econ Exp Stn
Res Bull Purdue Univ Agric Exp Stn
Res Div Bull Va Polytech Inst State Univ
Res Pap For Dep West Aust
Res Rep Conn Storrs Agric Exp Stn
Res Rep Ga Exp Stn
Res Rep Lincoln Coll Christchurch N Z Agric Econ Res Unit
Res Rep Miss Agric For Exp Stn
Res Rep N M Agric Exp Stn
Res Rep P Okla Agric Exp Stn
Res Rep Res Div Coll Agric Life Sci Univ Wis
Res Rep Tex Univ Cotton Econ Res
Res Rev Res Stn Agassiz B C
Res Vet Sci
Resour Bull SO South For Exp Stn For Serv U S Dep Agric
Respir Physiol
Rev Ceres
Rev Ecol Biol Sol
Rev Fac Agron Univ Zulia Maracaibo
Rev For Fr
Rev Gen Bot
Rev ICA (Inst Colomb Agropecu)
Rev Med Vet (Toulouse)
Rev Vet Can
Rhod Agric J
Riv Ing Agrar
Riv Zootec Vet
Rocz Nauk Roln, Ser A Prod Rosl
Rocz Nauk Roln, Ser C Tech Roln
Rocz Nauk Roln, Ser D Monogr
Rocz Nauk Roln, Ser G Ekon Roln
Rostl Vyroba Cesk Akad Zemed Ustav Vedeckotech Inf
Rovartani Kozl Folia Entomol Hung Ser Nova
RS Ky Agric Exp Stn
Rural Sociol
S D Farm Home Res
Sadovod Vinograd Vinodel Mold Sci Agric
Sci Bull Coll Agric Univ Ryukyus Okinawa
Sci Cult
Science
SCS TP U S Dep Agric (Soil Conserv Serv)
Sel'sk Khoz Mold
Serv Rep U S Farmer Coop Serv
Short Term Leafl Minist Agric Fish Food (Middlesex)
S-kh Biol
Smaskrift Landbruksdep Opplysningstjenesten (Norway)
Smithsonian
Soil Sci
South Afr Bee J
South Coop Ser Bull
Sov Agric Sci
Sov Torg
Soz Forstwirtsch
Spec Publ Coll Agric Univ Ill
Spec Rep Arkansas Agric Exp Stn
Stat Bull U S Dep Agric
Stn Bull Agric Exp Stn Univ Minn
Stn Bull Indiana Agric Exp Stn
Stn Bull Oreg Agric Exp Stn
Stud Biol Inst Biol (Lond)
Sugar Technol Rev
Sugarbeet Grow
Summa Phytopathol
Suomen Elainlaakaril Fin Veterinartidskr
Sven Frotidn
Sven Papperstidn
Sven Vet Tidn
Swine Rep Hawaii Univ Coll Trop Agric
Sylwan
Symb Bot Upsal
Symp Br Soc Parasitol
T Agric Exp Stn Max C Fleischmann Coll Agric Univ Nev Reno
Tabak
TAG (Theor Appl Genet)
Taiwan J Vet Med Anim Husb
Taiwan Sugar
Taiwan Water Conserv
Tappi (Tech Assoc Pulp Paper Ind)
Taxon
Tech Agric Prod Mediterr
Tech Bull Agric Exp Stn Univ Minn
Tech Bull Asian Pac Counc Food Fert Technol Cent
Tech Bull Dep Agric Sabah
Tech Bull Maine Life Sci Agric Exp Stn
Tech Bull Miss Agric For Exp Stn
Tech Bull N C Agric Exp Stn
Tech Bull N S W Dep Agric
Tech Bull Okla Agric Exp Stn
Tech Bull U S Dep Agric
Tech Pap Aust Water Resour Counc
Tech Release U S Soil Conserv Serv Eng Div
Tech Rep For Eng Res Inst Can
Tech Rep Sch For Res N C State Univ
Tehnol Mesa
Teratology
Terra
Tetrahedron Lett
Tex J Sci
Tex Rep Biol Med
Tex Vet Med J
Tidskr Skogbruk
Tidsskr Landokon
Tierarztl Umsch
Tierhaltung
Tierzucht
Tierzuchter
Tijdschr Diergeneeskd
Tob Int
Tolvmandsbladet
Toxicol Appl Pharmacol
Toxicology
Trans ASAE (Am Soc Agric Eng)
Trans Br Mycol Soc
Trans Indiana Hortic Soc
Trans Mo Acad Sci
Trans R Soc Trop Med Hyg
Trends Biochem Sci
Trop Grain Legume Bull
Trop Grassl
Tropenmed Parasitol
TSitol Genet
TSitologiia
Tud Mezogazd
U S Agric Res Serv (Reprints of articles by ARS employees)
U S Cotton Qual Rep Ginnings U S Agric Mark Serv Cotton Div Mark News Sect
U S D A For Serv Resour Bull NE (U S Dep Agric Northeast For Exp Stn)
U S For Serv (Reprints of articles by FS employees)
Ubersichten Tierernahr
Uch Zap Leningr Univ, Ser Biol Nauk
Ugeskr Agron Hortonomer Forstkandidater Licentiater
Ukr Biokhim Zh
Ukr Bot Zh
Univ Calif Publ Bot
Update Proj Prog Life Sci Agric Res
USDA For Serv Gen Tech Rep NE U S Northeast For Exp Stn
USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn
USDA For Serv Gen Tech Rep SE U S Southeast For Exp Stn
USDA For Serv Res Note PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Res Note RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Pap NE (U S Northeast For Exp Stn)
USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Resour Bull SE U S Southeast For Exp Stn
USDA For Serv Resour Rep FPL U S For Prod Lab
Uzb Biol Zh
VAE (Va Agric Econ)
Var Foda
Vara Palsd
Vcelar
Veg Grow News
Vegetatio
Verh Ges Okol Gottingen
Veroff Land- Hauswirtsch Auswertungs-Informationsdienst
Vestn Moskovsk Univ, Geogr
Vestn Moskovsk Univ, Khim
Vestn Ser Biol Leningr Univ
Vestn Ser Geol Geogr Leningr Univ
Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk
Vet Arh
Vet Bull
Vet Econ
Vet Microbiol
Vet Prof Top Pets Small Anim Prof Top
Vet Rec
Vet Sci Commun
Vinifera Wine Grow J
Vinodel Vinograd SSSR
Virchows Arch Abt B Zellpathol Cell Pathol
Virology
Vlaam Diergeneeskd Tijdschr
Vopr Ekon
Water Res
Water Resour Bull
Water Resour Invest
Water Resour Res
Weed Sci
West Wildlands
Wet Meded K N N V (K Ned Naturhist Ver)
Weterynaria
What's New For Res
Wiad Bot
Wiad Inst Melior Uzytkow Zielon
Wien Tierarztl Monatsschr
Wildl Monogr
Wilhelm Roux Arch Dev Biol
Wines Vines
Wiss Z Humboldt Univ Berl
Wochenbl Papierfabr
World Rev Anim Prod
Yale For Sch News
Yayin Istanbul Univ Orman Fak
Yearb Agric (U S Dep Agric)
Z Angew Zool
Z Ernahrungswiss
Z Pflanzenphysiol
Z Pflanzenzucht
Zahradnictvo
Zambia J Sci Technol
Zamet Sist Geogr Rast Akad Nauk Gruz SSR Tbilis Bot Inst
Zashch Rast
Zemed Ekon
Zemed Tech
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg, I Abt Orig, Reihe A Med Mikrobiol Parasitol
Zesz Probl Postepow Nauk Roln
Zh Evol Biokhim Fiziol
Ziva
Zool Jahrb, Abt Anat Ontog Tiere
Zuchthygiene (Berl)
Zuchtungskunde

MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

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Azalea plant [Patents]. Smith, S R *Plant Pat U S Pat Office* 3041, 1 P. Plate. Apr 13, 1971

094641 156.65 P69
Azalea plant [Patents]. Akehurst, C M *Plant Pat U S Pat Office* 3048, 1 P. Plate. Apr 20, 1971

094642 156.65 P69
Azalea plant [Patents]. Pearlstein, C *Plant Pat U S Pat Office* 3066, 1 P. Plate. Oct 5, 1971

094643 156.65 P69
Azalea plant [Patents, cultivar Prize]. Motzkau, H W *Plant Pat U S Pat Office* 3795, 2 P. Plate. Oct 28, 1975

094644 156.65 P69
Azalea plant [Patents]. Shammarello, A M *Plant Pat U S Pat Office* 3827, 1 P. Plate. Jan 27, 1976

094645 156.65 P69
Azalea plant [Patents]. Klupenger, J H *Plant Pat U S Pat Office* 3086, 2 P. Plate. Mar 28, 1972

094646 156.65 P69
Azalea plant [Patents]. Lewis, H B; Lewis, H H *Plant Pat U S Pat Office* 3089, 1 P. Plate. Mar 28, 1972

094647 156.65 P69
Azalea plant [Patents]. Motzkau, H W *Plant Pat U S Pat Office* 3143, 2 P. Plate. May 2, 1972

094648 156.65 P69
Azalea plant [Patents]. Yuge, T *Plant Pat U S Pat Office* 3155, 1 P. Plate. May 9, 1972

094649 156.65 P69
Azalea plant [Patents]. Knicely, W W; Duffett, W E *Plant Pat U S Pat Office* 3171, 2 P. Plate. May 16, 1972

094650 156.65 P69
Azalea plant [Patents]. Motzkau, H W *Plant Pat U S Pat Office* 3172, 2 P. Plate. May 16, 1972

094651 156.65 P69
Azalea plant [Patents]. Motzkau, H W *Plant Pat U S Pat Office* 3188, 2 P. Plate. May 23, 1972

094652 156.65 P69
Azalea plant [Patents]. Smith, S R *Plant Pat U S Pat Office* 3240, 1 P. Plate. July 18, 1972

094653 156.65 P69
Azalea plant [Patents]. Henson, S F *Plant Pat U S Pat Office* 3247, 2 P. Plate. Aug 1, 1972

094654 156.65 P69
Barberry shrub [Berberis thunbergi, patents]. Den Ouden, H; Den Ouden, F *Plant Pat U S Pat Office* 3038, 1 P. Plate. Apr 6, 1971

094655 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3723, 1 P. Plate. May 27, 1975

094656 156.65 P69
Begonia [elatior] plant [Patents]. Brown, A J *Plant Pat U S Pat Office* 3750, 1 P. Plate. July 29, 1975

094657 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3751, 1 P. Plate. July 29, 1975

094658 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3753, 2 P. Plate. July 29, 1975

094659 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3772, 1 P. Plate. Aug 26, 1975

094660 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3781, 1 P. Plate. Sept 16, 1975

094661 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3783, 1 P. Plate. Sept 16, 1975

094662 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3784, 1 P. Plate. Sept 16, 1975

094663 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3785, 1 P. Plate. Sept 16, 1975

094664 156.65 P69
Begonia [elatior] plant [Patents]. Mikkelsen, J C *Plant Pat U S Pat Office* 3786, 1 P. Plate. Sept 23, 1975

094665 156.65 P69
Begonia [elatior] plant [Patents, cultivar Whisper O'Pink]. Mikkelsen, J C *Plant Pat U S Pat Office* 3787, 1 P. Plate. Sept 23, 1975

094666 156.65 P69
Begonia [semperflorens] plant [Patents]. Ulery, D W *Plant Pat U S Pat Office* 3012, 2 P. Plate. Jan 5, 1971

094667 156.65 P69
Black ash tree [Fraxinus nigra, patents]. Cordes, A L *Plant Pat U S Pat Office* 3754, 1 P. Plate. July 29, 1975

094668 156.65 P69
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094669 156.65 P69
Bluegrass plant [Poa pratensis, patents]. McVeigh, K J; Funk, C R Jr *Plant Pat U S Pat Office* 3223, 3 P. 2 Plates. June 27, 1972

094670 156.65 P69
Bluegrass plant [Poa pratensis, patents]. Pepin, G W; Funk, C R Jr *Plant Pat U S Pat Office* 3239, 3 P. 2 Plates. July 18, 1972

094671 156.65 P69
Bluegrass plant [Poa pratensis, patents]. Barenbrug, J J; Schaepman, C W H M *Plant Pat U S Pat Office* 3186, 2 P. 2 Plates. May 23, 1972

094672 156.65 P69
Bougainvillea plant [Patents]. Pancho, J V *Plant Pat U S Pat Office* 3004, 1 P. Plate. Nov 17, 1970

094673 156.65 P69
Bougainvillea plant [Patents]. Pancho, J V *Plant Pat U S Pat Office* 3029, 1 P. Plate. Feb 16, 1971

094674 156.65 P69
Boxwood plant [Buxus, patents]. De Groot, C *Plant Pat U S Pat Office* 3736, 1 P. Plate. July 1, 1975

094675 156.65 P69
Bromeliaceae plant: Cryptanthus bivittatus minor [Patents, cultivar Pink Starlight]. Cobia, B L *Plant Pat U S Pat Office* 3689, 3 P. 2 Plates. Mar 11, 1975

094676 156.65 P69
Buddleia [davidi magnifica] plant [Patents]. Croux, M *Plant Pat U S Pat Office* 2987, 1 P. Plate. Aug 4, 1970

094677 156.65 P69
Cactaceae plant [Zygocactus truncatus , patents, cultivar kris Kringle]. Cobia, B L *Plant Pat U S Pat Office* 3688, 5 P. Plate. Mar 11, 1975

094678 156.65 P69
Cactaceae plant [Zygocactus truncatus , patents, cultivar lavender Doll]. Cobia, B L *Plant Pat U S Pat Office* 3690, 5 P. Plate. Mar 11, 1975

094679 156.65 P69
Cactaceae plant family [Zygocactus truncatus, patents, cultivar Peach Parfait]. Cobia, B L *Plant Pat U S Pat Office* 3693, 5 P. 2 Plates. Mar 18, 1975

094680 156.65 P69
Callistemon plant [Patents]. Tasche, C H *Plant Pat U S Pat Office* 3674, 2 P. Plate. Jan 7, 1975

094681 156.65 P69
Camellia hybrid [Patents]. Asper, J H *Plant Pat U S Pat Office* 3170, 1 P. Plate. May 16, 1972

094682 156.65 P69
Canada bluegrass plant [Poa compressa, patents, cultivar Reubens]. Jacklin, A W *Plant Pat U S Pat Office* 3828, 2 P. Plate. Feb 3, 1976

094683 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Barberet, A; Blanc, H *Plant Pat U S Pat Office* 3739, 2 P. Plate. July 8, 1975

094684 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Yoichi, T *Plant Pat U S Pat Office* 3745, 1 P. Plate. July 22, 1975

094685 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Barberet, A; Blanc, H *Plant Pat U S Pat Office* 3743, 2 P. Plate. July 15, 1975

094686 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Yonemoto, T Y *Plant Pat U S Pat Office* 3746, 1 P. Plate. July 22, 1975

094687 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Yonemoto, T Y *Plant Pat U S Pat Office* 3747, 1 P. Plate. July 22, 1975

094688 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Yonemoto, T Y *Plant Pat U S Pat Office* 3767, 1 P. Plate. Aug 19, 1975

094689 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Yonemoto, T Y *Plant Pat U S Pat Office* 3768, 1 P. Plate. Aug 19, 1975

094690 156.65 P69
Carnation plant "bellita" [Dianthus caryophyllus, patents]. Staaveren, M C van *Plant Pat U S Pat Office* 3816, 2 P. Plate. Dec 16, 1975

094691 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Harcharik, T G; Duffett, W E *Plant Pat U S Pat Office* 3252, 2 P. Plate. Aug 8, 1972

094692 156.65 P69
Carnation plant [Dianthus caryophyllus, patents]. Duffett, W E *Plant Pat U S Pat Office* 3299, 2 P. 2 Plates. Feb 6, 1973

094693 156.65 P69
Cherry tree [Patents]. Zaiger, C F *Plant Pat U S Pat Office* 3810, 1 P. Plate Nov 25, 1975

094694 156.65 P69
Chrysanthemum morifloium [Patents]. Danielson, R E *Plant Pat U S Pat Office* 3280, 1 P. Plate. Dec 26, 1972

094695 156.65 P69
Chrysanthemum plant [Patents, cultivar Spice]. Jessel, W H Jr *Plant Pat U S Pat Office* 3777, 2 P. Plate. Sept 2, 1975

094696 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Yellow Popsie]. Machin, B J *Plant Pat U S Pat Office* 3691, 1 P. Plate. Mar 18, 1975

094697 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Yellow Aramis]. Machin, B J *Plant Pat U S Pat Office* 3692, 1 P. Plate. Mar 18, 1975

094698 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar White Popsie]. Machin, B J *Plant Pat U S Pat Office* 3696, 1 P. Plate. Mar 25, 1975

094699 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Gem]. Jessel, W H Jr *Plant Pat U S Pat Office* 3740, 2 P. Plate. July 8, 1975

094700 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Beloved]. Coward, C B; Jessel, W H; Duffett, W E *Plant Pat U S Pat Office* 3741, 1 P. Plate. July 8, 1975

094701 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Nakano, G Y *Plant Pat U S Pat Office* 3760, 1 P. Plate. Aug 12, 1975

094702 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Sugar]. Jessel, W H Jr *Plant Pat U S Pat Office* 3776, 2 P. Plate. Sept 2, 1975

094703 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Celebration]. Jessel, W H Jr *Plant Pat U S Pat Office* 3778, 2 P. Plate. Sept 2, 1975

094704 156.65 P69
Chrysanthemum [Patents]. Borsh, S J *Plant Pat U S Pat Office* 3039, 1 P. Plate. Apr 6, 1971

094705 156.65 P69
Chrysanthemum [morifolium] (Independence) [Patents]. Shoesmith, L H *Plant Pat U S Pat Office* 3812, 2 P. Plate. Dec 2, 1975

094706 156.65 P69
Chrysanthemum [morifolium] plant (Spirit) [Patents]. Shoesmith, L H *Plant Pat U S Pat Office* 3813, 2 P. Plate. Dec 2, 1975

094707 156.65 P69
Chrysanthemum [morifolium] (Minuteman) [Patents]. Shoesmith, L H *Plant Pat U S Pat Office* 3832, 2 P. 2 Plates. Mar 2, 1976

094708 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3183, 2 P. Plate. May 23, 1972

094709 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3184, 1 P. Plate. May 23, 1972

094710 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3185, 1 P. Plate. May 23, 1972

094711 156.65 P69
Chrysanthemum [morrifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3189, 2 P. 2 Plates. May 23, 1972

094712 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Wilfong, H B *Plant Pat U S Pat Office* 3190, 1 P. Plate. May 23, 1972

094713 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3191, 2 P. 2 Plates. May 23, 1972

094714 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Polar Beauty]. Shoesmith, L H *Plant Pat U S Pat Office* 3192, 2 P. Plate. May 23, 1972

094715 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Onward]. Shoesmith, L H *Plant Pat U S Pat Office* 3194, 1 P. Plate. May 23, 1972

094716 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Eldorado]. Shoesmith, L H *Plant Pat U S Pat Office* 3195, 1 P. Plate. May 23, 1972

094717 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3212, 2 P. 2 Plates. June 20, 1972

094718 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3213, 1 P. Plate. June 20, 1972

094719 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3214, 2 P. Plate. June 20, 1972

094720 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3215, 2 P. Plate. June 20, 1972

094721 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3216, 1 P. Plate. June 20, 1972

094722 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Vogel, P A *Plant Pat U S Pat Office* 3218, 1 P. Plate. June 20, 1972

094723 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3220, 2 P. Plate. June 20, 1972

094724 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Hostess]. Shoesmith, L H *Plant Pat U S Pat Office* 3224, 1 P. Plate. July 4, 1972

094725 156.65 P69
Chrysanthemum [morifolium] plant [Patents, cultivar Copperplate]. Shoesmith, L H *Plant Pat U S Pat Office* 3225, 2 P. Plate. July 4, 1972

094726 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3231, 1 P. Plate. July 4, 1972

094727 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3233, 1 P. Plate. July 11, 1972

094728 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3236, 2 P. 2 Plates. July 18, 1972

094729 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3248, 1 P. Plate. Aug 1, 1972

094730 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Lee, S L *Plant Pat U S Pat Office* 3249, 1 P. 2 Plates. Aug 1, 1972

094731 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3250, 1 P. Plate. Aug 8, 1972

094732 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3254, 1 P. Plate. Aug 15, 1972

094733 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3255, 2 P. 2 Plates. Aug 15, 1972

094734 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3256, 1 P. 2 Plates. Aug 15, 1972

094735 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3262, 1 P. Plate. Aug 22, 1972

094736 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3263, 1 P. 2 Plates. Dec 5, 1972

094737 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Mack, G H; Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3276, 2 P. Plate. Dec 19, 1972

094738 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Mack, G H; Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3277, 1 P. Plate. Dec 26, 1972

094739 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Mack, G H; Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3278, 2 P. Plate. Dec 26, 1972

094740 156.65 P69
Chrysanthemum [morifolium] plant [Patents]. Gentile, E T; Jessel, W H Jr; Duffett, W E *Plant Pat U S Pat Office* 3289, 1 P. Plate. Jan 9, 1973

094741 156.65 P69
Coleus [rehneltianus] plant [Patents]. Datello, E R *Plant Pat U S Pat Office* 3700, 1 P. Plate. Apr 8, 1975

094742 156.65 P69
Crabapple tree [Patents, cultivar Golden Wax]. Thompson, J L *Plant Pat U S Pat Office* 3028, 2 P. Plate. Feb 16, 1971

094743 156.65 P69
Crape myrtle [Lagerstroemia indica, patents]. Spring, O F *Plant Pat U S Pat Office* 3169, 1 P. Plate. May 16, 1972

094744 156.65 P69
Distinct variety of rose plant [Patents]. Curtis, E C *Plant Pat U S Pat Office* 3027, 2 P. Plate. Feb 16, 1971

094745 156.65 P69
Distinct variety of mango [Patents]. Sturrock, D *Plant Pat U S Pat Office* 3181, 1 P. Plate. May 16, 1972

094746 156.65 P69
Distinct variety of apple tree [Patents, cultivar Spureerome]. Miller, H W Jr *Plant Pat U S Pat Office* 3198, 2 P. Plate. May 30, 1972

094747 156.65 P69
Dogwood tree [Cornus kousa, patents]. Costich, P E *Plant Pat U S Pat Office* 3090, 1 P. Plate. Mar 28, 1972

094748 156.65 P69
Dogwood tree [Cornus kousa, patents]. Wakefield, M B *Plant Pat U S Pat Office* 3261, 2 P. Plate. Aug 22, 1972

094749 156.65 P69
Dogwood tree [Patents, Cornus kousa]. Wakefield, M B *Plant Pat U S Pat Office* 3296, 2 P. Plate. Jan 16, 1973

094750 156.65 P69
Dracaena [sanderiana, patents, cultivar] Celes. Pennock, C F *Plant Pat U S Pat Office* 3219, 1 P. Plate. June 20, 1972

094751 156.65 P69
Dwarf Boston fern plant [Nephrolepsis exaltata, patents]. Robinson, M N *Plant Pat U S Pat Office* 3136, 1 P. Plate. Apr 25, 1972

094752 156.65 P69
Dwarf nectarine tree [Patents]. Anderson, F W *Plant Pat U S Pat Office* 3758, 2 P. Plate. Aug 5, 1975

094753 156.65 P69
Dwarf peach tree [Patents]. Anderson, F W *Plant Pat U S Pat Office* 3757, 2 P. Plate. Aug 5, 1975

094754 156.65 P69
EA 673—St. Augustinegrass [Stenotaphrum secundatum, patents]. Gruis, J T; Mayer, E W; Long, J A *Plant Pat U S Pat Office* 3180, 2 P. Plate. May 16, 1972

094755 156.65 P69
Elm tree [Ulmus pumila, patents]. Smalley, E B *Plant Pat U S Pat Office* 3780, 2 P. 2 Plates. Sept 9, 1975

094756 156.65 P69
Elm tree [Ulmus americana, patents]. Flemer, W J; Flemer, W III *Plant Pat U S Pat Office* 3108, 1 P. Plate. Apr 11, 1972

094757 156.65 P69
Euonymus fortunei shrub [Patents]. Hancock, M L *Plant Pat U S Pat Office* 3211, 1 P. Plate. June 20, 1972

094758 156.65 P69
European bird cherry tree [Prunus padus, patents]. Scanlon, E H *Plant Pat U S Pat Office* 3107, 1 P. Plate. Apr 11, 1972

094759 156.65 P69
Felicia [amelloides] plant [Patents]. Scott, P L *Plant Pat U S Pat Office* 3017, 1 P. Plate. Jan 12, 1971

094760 156.65 P69
Felicia [amelloides] plant [Patents]. Scott, P L *Plant Pat U S Pat Office* 3019, 1 P. Plate. Jan 19, 1971

094761 156.65 P69
Flowering crabapple tree [Patents]. Ross, H A *Plant Pat U S Pat Office* 2983, 1 P. Plate. July 28, 1970

094762 156.65 P69
Flowering crabapple tree [Patents]. Simpson, R C *Plant Pat U S Pat Office* 3052, 1 P. Plate. Apr 20, 1971

094763 156.65 P69
Flowering crabapple tree [Patents]. Collins, W H *Plant Pat U S Pat Office* 3267, 2 P. Plate. Dec 5, 1972

094764 156.65 P69
Flowering pear tree [Patents]. Flemer, W III *Plant Pat U S Pat Office* 3815, 2 P. Plates. Dec 16, 1975

094765 156.65 P69
Four leaf clover plant [Marsilea, patents]. Dearing, E H *Plant Pat U S Pat Office* 3730, 1 P. 2 Plates. June 17, 1975

094766 156.65 P69
Fruitless olive tree [Patents]. Hartmann, H T *Plant Pat U S Pat Office* 3197, 1 P. 2 Plates. May 30, 1972

094767 156.65 P69
Gardenia plant [Patents]. Hiers, F L *Plant Pat U S Pat Office* 3036, 1 P. Plate. Mar 2, 1971

094768 156.65 P69
Geranium plant [Pelargonium, patents]. Ekdahl, P H *Plant Pat U S Pat Office* 2969, 2 P. Plate. Apr 14, 1970

094769 156.65 P69
Geranium plant [Pelargonium X hortorum, patents]. Knicely, W W; Duffett, B; Duffett, W E *Plant Pat U S Pat Office* 3173, 2 P. 2 Plates. May 16, 1972

094770 156.65 P69
Geranium plant [Pelargonium X hortorum, patents]. Knicely, W W; Duffett, B; Duffett, W E *Plant Pat U S Pat Office* 3174, 2 P. Plate. May 16, 1972

094771 156.65 P69
Gladiolus plant [Patents]. Fischer, C H *Plant Pat U S Pat Office* 3079, 1 P. Plate. Oct 19, 1971

094772 156.65 P69
Gladiolus [Patents]. Vincent, H; Vincent, H J *Plant Pat U S Pat Office* 3731, 1 P. Plate. June 17, 1975

094773 156.65 P69
Gladiolus [Patents]. Fischer, C H *Plant Pat U S Pat Office* 3732, 1 P. Plate. June 17, 1975

094774 156.65 P69
Gladiolus [Patents]. Marshall, C C *Plant Pat U S Pat Office* 3237, 1 P. Plate. July 18, 1972

094775 156.65 P69
Gladiolus [Patents]. Walker, D J; Walker, A I *Plant Pat U S Pat Office* 3238, 1 P. Plate. July 18, 1972

094776 156.65 P69
Grapefruit tree [Patents]. Hensz, R A *Plant Pat U S Pat Office* 3222, 1 P. Plate. June 27, 1972

094777 156.65 P69
Grapevine [Patents]. Triplett, F E *Plant Pat U S Pat Office* 3686, 2 P. Plate. Feb 11, 1975

094778 156.65 P69
Grapevine [Patents]. Garabedian, J M *Plant Pat U S Pat Office* 3106, 2 P. Plate. Apr 11, 1972

094779 156.65 P69
Grapevine [Patents]. Garabedian, J M *Plant Pat U S Pat Office* 3124, 2 P. Plate. Apr 18, 1972

094780 156.65 P69
Grapevine [Patents]. Garabedian, J M *Plant Pat U S Pat Office* 3295, 2 P. Plate. Jan 16, 1973

094781 156.65 P69
Hackberry tree [Celtis occidentalis, patents]. Wandell, W N *Plant Pat U S Pat Office* 3771, 1 P. 2 Plates. Aug 26, 1975

094782 156.65 P69
Holly bush [Ilex cornuta, patents]. Taylor, R B Jr *Plant Pat U S Pat Office* 3168, 1 P. Plate. May 16, 1972

094783 156.65 P69
Honey locust tree [Gleditsia triacanthos inermis, patents]. McIntyre, J H *Plant Pat U S Pat Office* 3260, 1 P. 2 Plates. Aug 22, 1972

094784 156.65 P69
Honey-locust tree [Gleditsia triacanthos inermis, patents]. Halka, C J *Plant Pat U S Pat Office* 3096, 1 P. Plate. Apr 4, 1972

094785 156.65 P69
Hoya carnosa rubra [Patents]. Cobia, B L *Plant Pat U S Pat Office* 3105, 4 P. Plate. Apr 11, 1972

094786 156.65 P69
Hybrid Alstroemeria plant [Patents]. Van Staaveren, M C *Plant Pat U S Pat Office* 3284, 2 P. 2 Plates. Jan 2, 1973

094787 156.65 P69
Hybrid tea rose [Patents]. Jelly, R G *Plant Pat U S Pat Office* 3167, 2 P. Plate. May 9, 1972

094788 156.65 P69
Hydrangea [quercifolia] plant [Patents]. Aldridge, E G; Aldridge, B; Aldridge, L L *Plant Pat U S Pat Office* 3047, 1 P. Plate. Apr 20, 1971

094789 156.65 P69
Ilex Blue Princess plant [Patents]. Meserve, K K *Plant Pat U S Pat Office* 3675, 2 P. Plate. Jan 7, 1975

094790 156.65 P69
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094791 156.65 P69
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094792 156.65 P69
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094793 156.65 P69
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094794 156.65 P69
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094795 156.65 P69
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094796 156.65 P69
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094797 156.65 P69
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094798 156.65 P69
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094799 156.65 P69
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094800 156.65 P69
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094801 156.65 P69
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094802 156.65 P69
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094803 156.65 P69
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094804 156.65 P69
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094805 156.65 P69
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094806 156.65 P69
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094807 156.65 P69
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094808 156.65 P69
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094809 156.65 P69
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094810 156.65 P69
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094811 156.65 P69
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094812 156.65 P69
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094813 156.65 P69
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094814 156.65 P69
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094815 156.65 P69
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094816 156.65 P69
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094817 156.65 P69
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094818 156.65 P69
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094819 156.65 P69
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094820 156.65 P69
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094821 156.65 P69
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094822 156.65 P69
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094823 156.65 P69
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094824 156.65 P69
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094825 156.65 P69
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094826 156.65 P69
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094827 156.65 P69
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094828 156.65 P69
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094829 156.65 P69
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094830 156.65 P69
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094831 156.65 P69
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094832 156.65 P69
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094833 156.65 P69
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094834 156.65 P69
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094835 156.65 P69
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094836 156.65 P69
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094837 156.65 P69
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094838 156.65 P69
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094839 156.65 P69
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094840 156.65 P69
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094841 156.65 P69
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094842 156.65 P69
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094843 156.65 P69
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094844 156.65 P69
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094845 156.65 P69
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094846 156.65 P69
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094847 156.65 P69
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094848 156.65 P69
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094849 156.65 P69
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094850 156.65 P69
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094851 156.65 P69
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094852 156.65 P69
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094853 156.65 P69
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094854 156.65 P69
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094855 156.65 P69
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094856 156.65 P69
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094857 156.65 P69
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094858 156.65 P69
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094859 156.65 P69
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094860 156.65 P69
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094861 156.65 P69
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094862 156.65 P69
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094863 156.65 P69
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094864 156.65 P69
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094865 156.65 P69
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094866 156.65 P69
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094867 156.65 P69
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094868 156.65 P69
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094869 156.65 P69
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094870 156.65 P69
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094871 156.65 P69
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094872 156.65 P69
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094873 156.65 P69
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094874 156.65 P69
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094875 156.65 P69
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094876 156.65 P69
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094877 156.65 P69
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094878 156.65 P69
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094879 156.65 P69
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094880 156.65 P69
Peony plant [Paeonia lactiflora, patents]. Klehm, C G *Plant Pat U S Pat Office* 3268, 1 P. Plate. Dec 5, 1972

094881 156.65 P69
Peony plant [Paeonia lactiflora, patents]. Klehm, C G *Plant Pat U S Pat Office* 3269, 1 P. Plate. Dec 12, 1972

094882 156.65 P69
Peony plant [Paeonia lactiflora, patents]. Klehm, C G *Plant Pat U S Pat Office* 3270, 2 P. Plate. Dec 12, 1972

094883 156.65 P69
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094884 156.65 P69
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094885 156.65 P69
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094886 156.65 P69
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094887 156.65 P69
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094888 156.65 P69
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094889 156.65 P69
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094890 156.65 P69
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094891 156.65 P69
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094892 156.65 P69
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094893 156.65 P69
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094894 156.65 P69
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094895 156.65 P69
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094896 156.65 P69
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094897 156.65 P69
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094898 156.65 P69
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094899 156.65 P69
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094900 156.65 P69
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094901 156.65 P69
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094902 156.65 P69
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094903 156.65 P69
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094904 156.65 P69
Poinsettia plant [Euphorbia pulcherrima, patents]. Hegg, T *Plant Pat U S Pat Office* 3764, 1 P. Plate. Aug 12, 1975

094905 156.65 P69
Poinsettia plant [Euphorbia pulcherrima, patents]. Ecke, P Jr *Plant Pat U S Pat Office* 3766, 1 P. Plate. Aug 19, 1975

094906 156.65 P69
Poinsettia plant [Euphorbia pulcherrima, patents]. Hegg, T *Plant Pat U S Pat Office* 3082, 1 P. Plate. Mar 28, 1972

094907 156.65 P69
Poinsettia plant [Euphorbia pulcherrima, patents]. Hegg, T *Plant Pat U S Pat Office* 3099, 1 P. Plate. Apr 4, 1972

094908 156.65 P69
Poinsettia plant [Euphorbia pulcherrima, patents]. Ecke, P *Plant Pat U S Pat Office* 3119, 2 P. Plate. Apr 18, 1972

094909 156.65 P69
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094910 156.65 P69
Poinsettia plant [Euphorbia pulcherrima, patents]. Holm, J *Plant Pat U S Pat Office* 3122, 2 P. 3 Plates. Apr 18, 1972

094911 156.65 P69
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094912 156.65 P69
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094913 156.65 P69
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094914 156.65 P69
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094915 156.65 P69
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094916 156.65 P69
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094917 156.65 P69
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094918 156.65 P69
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094919 156.65 P69
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094920 156.65 P69
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094921 156.65 P69
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094922 156.65 P69
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094923 156.65 P69
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094924 156.65 P69
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094925 156.65 P69
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094926 156.65 P69
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094927 156.65 P69
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094928 156.65 P69
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094929 156.65 P69
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094930 156.65 P69
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094931 156.65 P69
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094932 156.65 P69
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094933 156.65 P69
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094934 156.65 P69
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094935 156.65 P69
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094936 156.65 P69
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094937 156.65 P69
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094938 156.65 P69
Rose plant [Patents]. Boerner, E S; Boerner, R L *Plant Pat U S Pat Office* 2980, 1 P. Plate. July 7, 1970

094939 156.65 P69
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094940 156.65 P69
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094941 156.65 P69
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094942 156.65 P69
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094943 156.65 P69
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094944 156.65 P69
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094945 156.65 P69
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094946 156.65 P69
Rose plant [Patents]. Kordes, R *Plant Pat U S Pat Office* 2999, 2 P. Plate. Nov 10, 1970

094947 156.65 P69
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094948 156.65 P69
Rose plant [Patents]. Swim, H C; Weeks, O L *Plant Pat U S Pat Office* 3007, 3 P. Plate. Nov 24, 1970

094949 156.65 P69
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094950 156.65 P69
Rose plant [Patents]. Kriloff, M *Plant Pat U S Pat Office* 3011, 2 P. Plate. Jan 5, 1971

094951 156.65 P69
Rose plant [Patents]. Kordes, R *Plant Pat U S Pat Office* 3014, 2 P. Plate. Jan 12, 1971

094952 156.65 P69
Rose plant [Patents]. Armstrong, D L *Plant Pat U S Pat Office* 3016, 3 P. Plate. Jan 12, 1971

094953 156.65 P69
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094954 156.65 P69
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094955 156.65 P69
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094956 156.65 P69
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094957 156.65 P69
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094958 156.65 P69
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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from worldwide sources. The Bibliography includes citations of journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation, Lockheed Information Systems, and Bibliographic Retrieval Services.

Publications are considered for indexing by NAL if a summary, abstract or title is available in a language in which the indexers have expertise. Articles of substantial interest to the agricultural community are selected by specialists on the staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not generally included. Indexing on the processing of agricultural products is limited to those on primary processing. In general, material must have been published in the current year or the preceding year to be included by NAL, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles which would not otherwise be indexed in the *Bibliography of Agriculture* are included for USDA authored, sponsored, or published materials. FNIC and AAEDC place no limitation on date of publication for entry into the data base. Abstracts and subject terms provided by FNIC and AAEDC are not published, although they are available in AGRICOLA.

The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

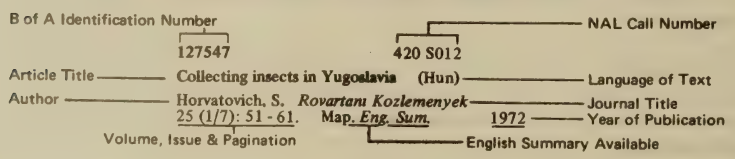
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic		
(Bur)	Burmese	(Ind)	Indonesian	(Scr)	Serbo-Croatian (Roman)
(Chi)	Chinese	(Ita)	Italian		
(Cze)	Czech	(Jpn)	Japanese	(Slo)	Slovak
(Dan)	Danish	(Kor)	Korean	(Slv)	Slovenian
(Dut)	Dutch	(Lat)	Latin	(Spa)	Spanish
(Est)	Estonian	(Lav)	Latvian	(Swe)	Swedish
(Fin)	Finnish	(Lit)	Lithuanian	(Tha)	Thai
(Fle)	Flemish	(Mac)	Macedonian	(Tur)	Turkish
(Fre)	French	(Nor)	Norwegian	(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

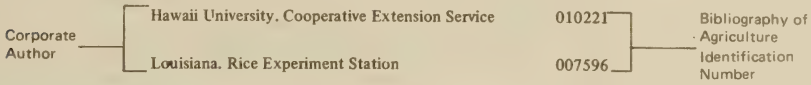
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the Library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 38,000 terms. The file is organized so that in many cases synonymous terms are grouped together under a single subject heading. Thus, singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in boldface type. The alphabetic sequence is by the secondary (boldface) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

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Characteristics of Norwegian **whey** *"cheese"*. 022733
Microbial quality of *cheese* **whey** samples from various factories in southern Ontario [Feed contamination, water pollution]. 023376

Many general terms have been deleted from the control vocabulary since 1975, and work has just been finished on a more complete list of specific terms. *Agricultural Terms,* the second edition of the *Thesaurus of Agricultural Terms,* reflects all the changes made in the control vocabulary through December 1977. This second edition is now available.

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About the author

Jane Buzby McFall is librarian at the Pennsylvania State University Life Sciences Library. As a result of her work in reference, instructional services and acquisitions in agricultural economics, rural sociology, agricultural education, agricultural engineering and food sciences technology, she became aware of the immense value that an immediate-reference index to individual commodities would have.

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A E Ext N Y State Coll Agric Life Sci Dep Agric Econ
A E Okla State Univ Dep Agric Econ
A E S C Agric Exp Stn
Abelhas
Abreuvoir
Acarologia
Acarologie
ACS Symp Ser (Amer Chem Soc)
Acta Agron (Budap)
Acta Anat
Acta Biochim Pol
Acta Biol (Budap)
Acta Biol Cracov, Ser Zool
Acta Biol Med Ger
Acta Biol Venez
Acta Bot Croat
Acta Entomol Bohemoslov
Acta Fac Rerum Nat Univ Comenianae Zool Univ Komenskeho Prirodoved Fak
Acta For Fenn
Acta Fytotech
Acta Hortic
Acta Hydrobiol
Acta Oecon
Acta Oper Oecon
Acta Physiol
Acta Physiol Pol
Acta Virol
Acta Zool Fenn
Adv Exp Med Biol
Adv Invertebr Reprod
Adv Ser Agric Sci
Afr Agric
Afr Environ
AGR Ky Univ Dep Agron
Agrartechnik
Agri-book Mag
Agric Adm
Agric Biol Chem
Agric Econ Rep Dep Agric Econ Mich State Univ
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Ext Serv Univ Minn Spec Rep
Agric Handb U S Dep Agric
Agric Hist
Agric North Irel
Agric Outlook
Agric Outlook Dig U S Dep Agric Econ Res Serv
Agric Res
Agric Res J Kerala
Agric Res Organ Div For Ilanot
Agric Situat India India Dir Econ Stat
Agric Situat U S Dep Agric Stat Rep Serv
Agric Syst
Agric Venezie
Agrichem Age
Agrochem Cour
Agrokhimiia
Agrologist
Agron J
Agron Prog Rep
Agrow-Marketer
Akita Kenritsu Nogyo Tanki Daigaku Kenkyu Hokoku Bull Akita Prefect Coll Agric
Aktuel Lantbrukshogsk (Upps)
Ali Gazdasag
Allg Dtsch Imkerztg
Allg Forstz
Am Bee J
Am Christmas Tree J
Am For
Am J Agric Econ
Am J Clin Nutr
Am J Physiol
Am J Vet Res
Am Logger Lumberman
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Am Rock Gard Soc Bull
Am Sci
Anal Biochem
Anat Histol Embryol
Anim Learn Behav
Ann Appl Biol
Ann Biol Anim Biochim Biophys
Ann Bot
Ann Entomol Fenn
Ann Entomol Soc Am
Ann Falsif Expert Chim
Ann Pharm Fr
Ann Phytopathol Soc Jap
Annot Bibliogr Commonw Bur Pastures Field Crops
Annu Feed Day Rep Alberta Univ Dep Anim Sci
Annu For Symp La State Univ Agric Mech Coll Sch For Wildl Manage
Annu Prog Rep La Rice Exp Stn
Annu Rep Bean Improv Coop
Annu Rep Stud Anim Nutr Allied Sci Rowett Res Inst
Annu Res Rep Sch Agric Environ Sci Ala Agric Mech Univ
Apiacta
Apic Mod
Appl Anim Ethology
Appl Biochem Microbiol
Appl Entomol Zool
Appl Spectrosc
Applied Environ Microbiol
Aquaculture
Arable Farming
Arbor Rev Minn Univ Agric Ext Serv
Arboric Fruit
Arch Biochem Biophys
Arch Genet
Arch Inst Razi
Arch Int Physiol Biochem
Arch Microbiol
Arch Naturschutz Landschaftsforsch
Arch Pharm Ber Dtsch Pharm Ges
Arch Roum Pathol Exp Microbiol
Arch Toxikol
Arch Zool Exp Gen
Arnoldia
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
Atti Rend Accad Naz Lincei
Aust For Ind J
Aust J Agric Econ
Aust J Exp Biol Med Sci
Aust J Mar Freshwater Res
Aust J Soil Res
Aust Orchid Rev
Aust Vet J
Australas Beekeep
Av Aliment Mejora Anim
Avicoltura
Aviculteur
Avocado Grow
Bayer Landwirtsch Jahrb
Bedrijfsontwikkeling
Bee World
Behav Ecol Sociobiol
Behaviour
Beitr Naturkd Niedersachsens
Ber Eidg Anstalt Forstl Vers
Ber Landwirtsch Ger (Fed Repub) Bundesminist Ernahr Landwirtsch Forsten
Ber Ohara Inst Landwirtsch Biol
Beret Statens Husdyrbrugsfors
Berita Selulosa
Biatas, The Tillage Farmer
Bibl Wiad IMUZ (Inst Melior Uzytkow Zielon)
Bienenpflege
Bienenvater
Bienenwelt
Big Farm Manage
Biochem Biophys Res Commun
Biochem Genet
Biochem J
Biochemistry (Easton)
Biochemistry (N Y)
Biochim Biophys Acta
Biochimie
Bioinorg Chem
Biol Bull Acad Sci USSR
Biol Cell
Biol Conserv
Biol Plant
Biol Pr
Biol Zh Arm
Biologia Ser A Bot
Biologia Ser B Zool
Biologia Ser C Vseobecna Biol
BioScience Am Inst Biol Sci
Biotechnol Bioeng
Biotropica
Biovigyanam
Biull Vses Inst Rastenievod
Bois Forets Trop
Bol Chil Parasitol Chile Dep Parasitol
Bol Inf Serv For Fauna Salvador Dir Gen Recur Nat Renov
Bol Tec Cent Nac Tecnol Agropecu Bibl
Boll Chim Farm
Boll Soc Ital Biol Sper
Bonn Zool Beitr
Bonsai J
Bot Gaz
Bot Mag
Bot Mar
Bot Mus Leafl Harv Univ
Botyu Kagaku
Br Food J
Br J Nutr
Br Sugar Beet Rev
Brew Dig
Broil Ind
Bromatol Chem Toksykol
Brooklyn Bot Gard Rec Plants Gard
Brygmesteren Scand Brew Rev
Bulg Tiutiun
Bull A Ariz Univ Ext Serv
Bull Acad Pol Sci, Ser Sci Biol
Bull Am Mus Nat Hist
Bull Anciens Eleves Ec Meun
Bull B Okla Agric Exp Stn
Bull Balai Penelitian Perkebunan
Bull Br Mus Nat Hist Entomol
Bull Cent Etud Rech Sci
Bull CETIOM (Cent Tech Interprof Ol Metrop)
Bull Cl Sci, 5e Ser Acad R Belg
Bull Coll Agric Res Cent Wash State Univ
(Bull) Conn Univ Coop Ext Serv
Bull Entomol Soc Am
Bull Environ Contam Toxicol
Bull Fac Agric Meiji Univ
Bull Fed Suisse Elev Race Tachetee Rouge Schweiz Fleckviehzuchtverb
Bull Fukuoka Ken For Exp Stn
Bull G B Minist Agric Fish Food
Bull Gos Nikitsk Bot Sad
Bull Inst Chem Res Kyoto Univ
Bull Inst Int Froid
Bull La Agric Exp Stn
Bull N D Agric Exp Stn
Bull N J Agric Exp Stn Coll Agric Environ Sci Rutgers Univ State Univ N J
Bull Natl Inst Agric Sci, Ser A Phys And Stat
Bull Soc Chim Fr
Bull Soc Pathol Exot Ses Fil
Bull Soc R For Belg
Bull Tob Res Inst Taiwan Tob Wine Monop Bur
Bull Tottori Univ For
Bull Trimest Acad Soc Lorraines Sci
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull Univ R I Agric Exp Stn
Bull Univ Tenn Agric Exp Stn
Bull Utah Agric Exp Stn
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull World Health Organ
Buvar
C R Hebd Seances Acad Sci, Ser D Sci Nat
Cah Bleus Vet
Cah Nat
Cajanus
Calcif Tissue Res
Calif Agric
Calif Ariz Cotton
Calif Farmer (Cent Ed)
Calif Plant Pathol
Calif Vet
Can Agric
Can Home Econ J
Can J Anim Sci
Can J Biochem
Can J Bot
Can J Comp Med
Can J Public Health
Can J Zool
Can Plant Dis Surv Can Dep Agric Res Branch
Cane Grow Q Bull Queensl Bur Sugar Exp Stn
Canopy
Carbohydr Res
Caryologia
Cas Morav Mus Vedy Prir
Cas Slezskeho Mus Acta Mus Silesiae Ser A Vedy Prir Sci Nat
Cattlemen
Cell Differ
Cell Immunol
Cell Mass Inst Technol
Cell Tissue Res
Cellul Chem Technol
Cereal Chem
Cereal Res Commun
Cereal Rusts Bull
Ceska Mykol
Changing Times
Chem Biol Interactions
Chem Commun
Chem Ind (Tokyo)
Chem Mikrobiol Technol Lebensm
Cheval
Christmas Trees
Chromosoma
Chron Hortic
Chron Przyr Ojczysta
Chronobiologia
Chugoku Nogyo Shikenjo Hokoku B Chikusanbu Bull Chugoku Natl Agric Exp Stn Ser B Livest Div
Cicindela
Cienc Cult Soc Bras Para Progr Cienc
Cienc For
Circ Ill Univ Coop Ext Serv
Citrograph
Citrus Sub-Trop Fruit J
Citrus Veg Mag
Clays & Clay Miner
Clin Toxicol
Clin Vet
Coir
Comm Bull N S W Dep Agric Div Mark Econ
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Comp Physiol Ecol
Compos Sci Land Util
Comun I N I A Ser Econ Sociol Agrar Inst Nac Invest Agrar
Conn Woodl
Conserv Recycling
Contrib Gray Herb
Coop Agric (Roma)
Coop Fr
Cornell Agric Econ Staff Pap
Cornell Vet
Coton Fibres Trop
Countryside
Cow Moos
Crop Sci
Crops Soils Mag
Cryobiology
CSIRO Food Res Q
Ctry Life
Cukoripar
Cultivator
Curr Sci
Curr Top Cell Regul
Cutler, Malcolm Rupert (Addresses, Statements, Etc.)
Cytobios
Cytol Genet
Cytologia
Czas Geogr
Dairy Ind Int
Dairy Ind Res Rep
Dairy Tales
Demosta
Dep Pap Coll Trop Agric Hawaii Agric Exp Stn Univ Hawaii
Dev Biol
Differentiation
Div Soils Tech Pap C S I R O
DNR Rep Wash (State) Dep Nat Resour
Doc Inf Agric
Dohanyipar
Dokl Akad Nauk Az SSR

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Dokl Biochem Akad Nauk SSSR
Dokl Bot Sci Akad Nauk S S S R
Dokl Vses Akad S-kh Nauk
Dossier K2O
Drev Vysk
Drevo
Drvna Ind
DSAC Dixon Springs Agric Cent
DVM (Chicago)
ECE/AGRI U N Jt FAO/ECE Agric Div
Ecol Stud Anal Synth
Econ & Polit Wkly
Econ Inf Rep N C State Univ Dep Econ Bus
Econ Issues
Econ Plann
Econ Rep Minn Univ Dep Agric Appl Econ
Econ Soc Issues Calif Univ Davis Coop Ext Serv
Effluent Water Treat J
Egypt J Hortic
Ekon Sel'sk Khoz
Ekon Sov Ukr
EL Arkansas Univ Coop Ext Serv
Electrotechnology
Elev Bovin Ovin Caprin
Elev Insemination
Endocrinology
Endokrinologie
Energy Sources
Eng Tech Rep ETR U S For Serv
Entomol Bl
Entomol Rec J Var
Entomol Rev
Entomol Z
Environ Health Eff Res Ser EPA-R1
Environ Manage
Environ Prot Technol Ser EPA
Environ Res
Environ Sci Tech
Equus
ERS Foreign U S Dep Agric Econ Res Serv
Estuaries
Estuarine Coastal Mar Sci
Etud Rurales Paris Ec Hautes Etud Sci Soc
Eur J Biochem
Evol Agric Mens Tec Attual Agric Zootech
Exp Mol Pathol
Experientia
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Asian Pac Counc Food Fert Technol Cent
Ext Bull Md Univ Coop Ext Serv
Ext Bull Mich State Univ Coop Ext Serv
Ext Bull Wash State Univ Coop Ext Serv
Ext Circ Oreg State Univ Ext Serv
Ext Fol Agric Ext Serv Univ Minn
Ext Stud Pa State Univ Coop Ext Serv
F. O. Licht's Int Sugar Rep
Fact Sheet Oreg State Univ Ext Serv
Faipar
Farm Food Res
Farm Index
Farm J (Phila)
Farm Manage Rev
Farm Obz
Farm Ranch Home Q
Farmer Coop U S Farmer Coop Serv
Farmers Bull U S Dep Agric
FAS-M U S Foreign Agric Serv
FEBS Lett (Fed Eur Biochem Soc)
Feedlot Manage
Feedstuffs
Feline Pract
Fert News
Fert Prog
Fette Seifen Anstrichm
Fibre Sci Technol
Field Notes U S For Serv
Fitoterapia
Fiziol Rast (Mosk)
Fla Food Resour Econ
Flora West Pak
Flore Cameroun
Flore, Gabon
Florists Rev
Flower And Gard West Ed
Flussiges Obst
FNS U S Dep Agric Food Nutr Serv
Folia Biol (Krakow)
Folia Geobot Phytotaxon
Folia Microbiol
Folia Zool
Food Chem
Food Cosmet Toxicol
Food Ind S Afr
Food Nutr (Rome)
Food Prod Dev
Food Res Inst Stud
Food Technol Aust
For Chron
For Notes
For Prod J
For Res Rep Ont Minist Nat Resour
For Res What's New West
For Sci
For Tech Rep Can For Serv
Forage Res
Foreign Agric Circ Coffee FCOF U S Foreign Agric Serv
Foreign Agric Circ FLM U S Foreign Agric Serv
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ Tob FT U S Foreign Agric Serv
Foreign Agric Econ Rep U S Dep Agric Econ Stat Coop Serv
Foreign Agric Trade U S Dep Agric Econ Stat Coop Serv
Foreign Agric U S Foreign Agric Serv
Forestry
Forpride Dig
Forsk Prakt
Fragm Florist Geobot Pol Akad Nauk Inst Bot
Fremontia
Freshwater Biol
Frugtavleren
Fruit Notes Mass Univ Coop Ext Serv
Fundam Aspects Pollut Control Environ Sci
FWS/OBS U S Fish Wildl Serv Off Biol Serv
G Allevatori
Ga Agric Res
Gac Colmenar
Garden
Gardenland
Gart Kleintierzucht, C Imker
Gartenbau
Gartneryrket
Gaz Chim Ital
GC HTJ
Gemuse
Gen & Comp Endocrinol
Genet Agrar
Genet Pol
Genetica
Genetics
GeoJournal
Georgofili
Gidroliz Lesokhim Prom-st'
Gidrotekh Melior
Glas Srpska Akad Nauka Umet Od Prir-Mat Nauka
Glean Bee Cult
God Zb Biol Skopje Univ Biol Fak
Good Gard
Gorsko Stopanstvo
Grana
Great Lakes Entomol
Growth
Growth & Change
Handb Lipid Res
Hassadeh
Hickenia Bol Darwinion
Hidrol Kozl
Hired Labor in Rural Asia; International Symposium on Rural Labor and Economic Development in Asia
Hjort, Howard W (Addresses, Statements, Etc.)
Hoards Dairym
Home Gard Bull U S Dep Agric
Hortic Ind
Hortic News (N J State Hortic Soc)
Hortsci
Hydrobiol J
Hydrol Water Resour Ariz Southwest
Ikon Misul
Immunology
In Application De La Spectrometrie De Masse Et De La Resonance Magnetique Nucleaire Dans Les Ind Aliment
In Biologicheskii metod bor'by s vrediteliami i bolezniami rastenii v zakrytom grunte
In British Crop Protection Conference
In British Crop Protection Conference; Proceedings
In Business Management for Loggers; Proceedings of the Business Management Clinic for Loggers
In Cell Differ Microorg Plants and Anim; Proc Int Symp
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In Proceedings of a Conference on Pest Management
In Proceedings of the National Home Sewage Treatment Symposium
In Proceedings of Workshop on Agricultural and Rural Data, 1977
In Progress in Immunology; Proceedings of the International Congress of Immunology
In Protein Quality from Leguminous Crops; Commission of the European Communities
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In Structure and Function of Monoamine Enzymes; Proceedings Of a Conference
In Symposium on the Different Methods of Weed Control and Their Integration; Proceedings
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In Usvoenie pishchevykh veshchestv v organizme zhivotnykh. A. A. Shmidt & others, eds.
In Water Management For Irrigation and Drainage; Proceedings American Society Of Civil Engineers
Ind Aliment
Ind Aliment Agric
Ind Aliment Anim
Ind Saccarif Ital
Ind Water Eng
Indian Drugs
Indian Farming
Indian Food Pack
Indian For
Indian J Agric Econ
Indian J Agric Sci
Indian J Dairy Sci
Indian J Exp Biol
Indian J Mar Sci
Indian J Nutr Diet
Indian Poult Rev
Indian Pulp Pap
Indian Sugar
Indian Sugar Crop J
Indian Vet J
Inf Agric (Luxemb)
Inf Bot Ital
Inf Bull N Y State Coll Agric Life Sci Coop Ext Serv
Inf Rep FMR-X For Manage Inst Ottawa
Inf Rep VP-X West For Prod Lab Vancouver
Inf Sheet Coop Ext Serv Miss State Univ
Inf Tech Cent Tech Interprof Ol Metrop
Inf Tech Dir Serv Vet Fr
Infect Immun
Inst Husdjursforadling Rapp Lantbrukshogsk
Int Arch Allergy Appl Immunol
Int J Biochem
Int J Ecol Environ Sci
Int J Parasitol
Int J Syst Bacteriol
Int Labor Rev
Int Pest Control
Int Rev Cytol
Int Sugar J
Iowa State Univ Vet
IPIRI J (Indian Plywood Indus Res Inst)
Ir For
Ir J Food Sci Technol
Ir Vet J
Iran J Agric Res
Irish Nat J
Irrigazione
Isl Landbunadar J Agric Res Icel
Ital Agric
Ital J Biochem
Izv Akad Nauk Az SSR, Ser Biol Nauk
Izv Akad Nauk Gruz SSR Ser Biol Kaia Proc Acad Sci Georgian SSR Biol Ser
Izv Akad Nauk Kaz SSR, Ser Biol
Izv Akad Nauk SSSR, Ser Biol
Izv Akad Nauk Turkm SSR, Ser Biol Nauk
Izv Ser Geogr Akad Nauk SSSR
Izv Vyssh Uchebn Zaved Lesn Zh
Izv Vyssh Uchebn Zaved, Pishch Tekhnol
Izv Vyssh Uchebn Zaved Tekhnol Tekst Prom-sti
J Agric Food Chem
J Agric (Melb)
J Agric Sci (Camb)
J Am Chem Soc
J Am Diet Assoc
J Am Soc Hortic Sci
J Am Vet Med Assoc
J Anim Ecol
J Anim Sci
J Appl Meteorol
J Appl Polym Sci
J Arboric
J Arnold Arbor
J Assoc Off Anal Chem
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Biol Photogr Assoc
J Br Grassl Soc
J Bromeli Soc
J Cell Biol
J Cell Sci
J Cent Agric Exp Stn (Konosu)
J Chem Soc, Perkin Trans I
J Chromatogr
J Chromatogr Sci
J Clin Microbiol
J Coffee Res
J Comp Physiol
J Consum Stud Home Econ
J Consumer Aff
J Embryol Exp Morphol
J Endocrinol
J Entomol Res
J Entomol Soc South Afr
J Environ Manage
J Environ Pathol Toxicol
J Environ Qual
J Evol Biochem Physiol
J Exp Mar Biol Ecol
J Ext
J Ferment Technol
J Fire Flammability
J Fish Res Board Can
J Food Prot
J Food Saf
J Freshwater
J Gen Appl Microbiol
J Gen Microbiol
J Gen Virol
J Hortic Sci
J Hum Nutr
J Hydrol
J Indian Inst Sci
J Infect Dis
J Insect Physiol
J Inst Wood Sci
J Invertebr Pathol
J Jap For Soc
J Jap Wood Res Soc
J Kans Entomol Soc
J Lepid Soc
J Lipid Res
J Logging Manage
J Med Entomol
J Microsc (Lond)
J Mol Biol
J Morphol
J N Z Diet Assoc
J Nat Hist
J Natl Sci Counc Sri Lanka
J Nematol
J Nucl Agric Biol
J Nutr
J Pharm Belg
J Pharm Soc Jap
J Physiol
J Res Punjab Agric Univ
J S Afr Vet Assoc
J Sci Agric Soc Finl
J Sci Food Agric
J Soil Sci
J Soil Sci Soc Am
J Soil Water Conserv
J Submicrosc Cytol
J Timber Dev Assoc India
J Ultrastruct Res
J Virol
J Water Pollut Control Fed
Jap J Nutr
Jap J Physiol
Jap Pulp Pap
JIPA J Indian Potato Assoc
Jojoba Happenings
Jordbruksekon Medd
Julk Maatalouden Taloud Tutkimuslaitoksen
Kajian Vet
Kaju Shikenjo Hokoku B (Okitsu)
Kaju Shikenjo Hokoku Hiratsuka A Bull Fruit Tree Res Stn Ser A
Kartofel' Ovoshchi
Kenya Cof
Kexue Tongbao Sci
Khim-Farm Zh
Kholod Tekh
Khranit Prom-st
Kistenyesztok Lapja
Kon Pol
Konservn Ovoshchesushil Prom-st'
Korean J Plant Prot
Korma
Kvasny Prum
Kwiaty
Ky AgriBus Spotlight Ky Univ Coop Ext Serv
La Agric
Lab Anim
Lab Anim (Lond)
Lab Pract
Lait Nous

Land Issues Probl Va Polytech Inst State Univ Coop Ext Serv
Land O Lakes Mirror
Landbrukstidende
Landscape Plann
Latte
LC (Listy Cukrov)
Leafl Div Agric Sci Univ Calif Berkeley Coop Ext
Lejeunia Rev Bot
Len Konoplia
Lepidoptera
Les (Bratisl)
Lesn Cas
Lesn Khoz
Lesn Prace
Lesovedenie
L'Hortic Fr
Life Sci
Lily Yearb North Am Lily Soc
Limnol Oceanogr
Lipids
Lisove Hospod Lisova Pap Derevoobrobna Prom-st'
List Avail Publ U S Dep Agric
LWT (Lebensmitt Wissensch Technol)
Maelkeritidende
Mag Univ Nagpur Coll Agric
Magy Textiltech
Makromol Chem
Mar Biol
Mar Nat Prod
Mar Sci Commun
Mark Bull U S Dep Agric
Mark Res Rep U S Dep Agric
Maydica
Mazingira (Engl Ed)
Meat Sci
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Mem Fac Agric Hokkaido Univ
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Methods Enzymol
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Misc Publ Hawaii Univ Coop Ext Serv
Misc Publ Md Agric Exp Stn
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Mol Biol (New York)
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Moscow Univ Biol Sci Bull
MP Tex Agric Exp Stn
Mukomol'no Elevat Kombikormovaia Prom-st'
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N Z J Zool
N Z Soil News
N Z Wheat Rev
Nachr Naturwiss Mus Stadt Aschaffenburg
Nat Heimat
Natl Cac Suc J
Natl Food Situat NFS U S Dep Agric Econ Res Serv
Natl Wool Grow
NATO Adv Study Inst Ser Ser A Life Sci
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Nav Stores Rev Terpene Chem
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Orient Insects Monogr
Outlook Agric
PA U S Dep Agric
Pac Hortic
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PANS Man Pest Artic News Summ
PANS Pest Artic News Summ
Pap Celul
Pap N Z Meat Wool Boards Econ Serv
Pap Puu
Parasitology
Pathol Biol
PB U S Natl Tech Inf Serv
PCT Pest Control Technol
Peanut Farmer
Pecan South
Pedobiologia
Perfum Flavorist
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Pest Control
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Pestic Monit J
Pesticides
Pflugers Arch
Pharmacol Rev
Philipp Agric
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Photochem Photobiol
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PM Iowa State Univ Sci Technol Ames Coop Ext Serv
Pochvovedenie
Pol Arch Hydrobiol
Pol Arch Weter
Pol Pismo Entomol
Polymer
Postepy Biochem
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Qual Plant Plant Foods Human Nutr
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Radiobiology
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Rapp Inst Bodemvruchtbaar
Rapp Uppsats Inst Skogsforyngr Skogshogsk (Stockh)
Rapp Uppsats Res Notes Stockh Skogshogsk Inst Skogsgenet
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Rev Tussock Grassl Mt Lands Inst
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RSRI Discuss Pap Ser (Reg Sci Res Inst)
RTVA
Rural India
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Soil Biol Biochem
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Soil Conserv
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South Coop Ser Bull
South Florist Nurseryman
Sov Agric Sci
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Sov J Ecol
Sov J Mar Biol
Sov Plant Physiol
Sov Soil Sci
Sov Torg
Spec Rep Arkansas Agric Exp Stn
Spec Rep N Y State Agric Exp Stn (Geneva)
Spec Rep Oreg State Univ Ext Serv
Spectrosc Lett
SRDC Ser Publ South Rural Dev Cent
Stadler Genet Symp
Staff Pap Minn Univ Dep Agric Econ
Stat Bull U S Dep Agric
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Tijdschr Diergeneeskd
Tolvmandsbladet
Toxicology
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Trans Am Fish Soc
Trans ASAE (Am Soc Agric Eng)
Trans Ill State Acad Sci
Trop Agric (Guildford)
Trop Ecol
Trop Grain Legume Bull
Tropenlandwirt
TSeluloza Khartiia
TSitologiia
TVS Veg Situation Econ Res Serv U S Dep Agric
U S Agric Res Serv (Reprints of articles by ARS employees)
U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn
U S D A For Serv Res Pap FPL
U S For Serv (Reprints of articles by FS employees)
UFA Rev Union Fed Coop Agric Suisses
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Ukr Biokhim Zh
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USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
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USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Res Pap SO U S South For Exp Stn
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USGA Green Sect Rec (U S Golf Assoc)
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Z Zool Syst Evolutionsforsch
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Zast Bilja
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Operation Oryx, started more than 15 years ago at the Phoenix Zoo to save the rare white antelope—believed to have inspired the unicorn of mythology—has apparently succeeded. The operation was launched in 1962 when it became evident that the animals were facing extinction in their native habitat of the Arabian peninsula.

An original herd of nine, put together through *Operation Oryx* by five world organizations now number 47 in Phoenix with another 38 at the San Diego Wild Game Farm, and four others which have recently been sent to live in their natural habitat in Jordan.

Also, in what has come to be known as "The Second Law of Return," rare biblical animals are being collected from many countries to roam freely at the Hai Bar Biblical Wildlife Nature Reserve in the Negev, in Israel, the most recent addition being a breeding herd of eight Arabian Oryx. With the addition of these Oryx, their collection of rare biblical animals is complete.

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from worldwide sources. The Bibliography includes citations of journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation, Lockheed Information Systems, and Bibliographic Retrieval Services.

Publications are considered for indexing by NAL if a summary, abstract or title is available in a language in which the indexers have expertise. Articles of substantial interest to the agricultural community are selected by specialists on the staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not generally included. Indexing on the processing of agricultural products is limited to those on primary processing. In general, material must have been published in the current year or the preceding year to be included by NAL, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles which would not otherwise be indexed in the *Bibliography of Agriculture* are included for USDA authored, sponsored, or published materials. FNIC and AAEDC place no limitation on date of publication for entry into the data base. Abstracts and subject terms provided by FNIC and AAEDC are not published, although they are available in AGRICOLA.

The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

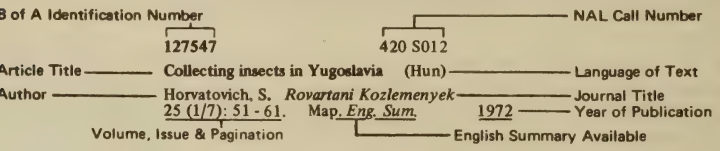
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic		
(Bur)	Burmese	(Ind)	Indonesian	(Scr)	Serbo-Croatian (Roman)
(Chi)	Chinese	(Ita)	Italian		
(Cze)	Czech	(Jpn)	Japanese	(Slo)	Slovak
(Dan)	Danish	(Kor)	Korean	(Slv)	Slovenian
(Dut)	Dutch	(Lat)	Latin	(Spa)	Spanish
(Est)	Estonian	(Lav)	Latvian	(Swe)	Swedish
(Fin)	Finnish	(Lit)	Lithuanian	(Tha)	Thai
(Fle)	Flemish	(Mac)	Macedonian	(Tur)	Turkish
(Fre)	French	(Nor)	Norwegian	(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

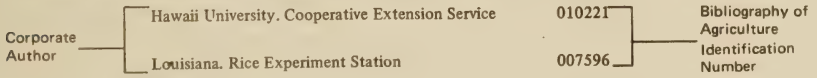
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the Library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 38,000 terms. The file is organized so that in many cases synonymous terms are grouped together under a single subject heading. Thus, singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in boldface type. The alphabetic sequence is by the secondary (boldface) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES
Alkylpyrazines in processed **American** *cheese*. 022750
Cheddar *cheese* made with bovine pepsin. I. Yield and quality of cheese. 022755
Hydrolysis of milk proteins by bacteria [Brevibacterium linens, Propionibacterium shermanii] used in *cheese* making. 022751
Sensory evaluation of meat products containing **coagulated** *cheese* whey lactalbumin [Dairy waste utilization]. 022758
Enrichment of pasta with **cottage** *cheese* whey proteins. 022413
Change of impurity provisions of the *cheese* and **dairy** product decrees [Legislation, consumer protection]. 021927
Enzymes of Penicillium roqueforti [mold] involved in the biosynthesis of *cheese* **flavor**. 022725
Novel caseinate—effects natural functional properties for **imitation** *cheese*. 022730
The present cheese situation and international activity for **increasing** *cheese* production in developing countries [Prospects, programs and economic aspects]. 021632
Is the powdered skimmed milk problem a threat for the *cheese* **industry?** [Marketing]. 021524
The **present** *cheese* situation and international activity for increasing cheese production in developing countries [Prospects, programs and economic aspects]. 021632
Partially delactosed whey used as NFDM [nonfat dry milk] replacement in **process** *cheese* food offers economic **advantages**. 022731
Cheddar cheese made with bovine pepsin. I. Yield and **quality** of *cheese*. 022755
Free fatty acids and products of their transformations in **rennet** *cheeses*. 022795
Xanthan gum galactomannan system improves functionality of *cheese* **spreads**. 022732
Comparative evaluation of three media used for detection of **staphylococci** in *cheese*. 021751
Influence exercised by [the yeast] Saccharomyces oviformis during maturation of **Teleme** *cheese*. 022801
Characteristics of Norwegian **whey** *"cheese"*. 022733
Microbial quality of *cheese* **whey** samples from various factories in southern Ontario [Feed contamination, water pollution]. 023376

Many general terms have been deleted from the control vocabulary since 1975, and work has just been finished on a more complete list of specific terms. *Agricultural Terms,* the second edition of the *Thesaurus of Agricultural Terms,* reflects all the changes made in the control vocabulary through December 1977. This second edition is now available.

The last item of each entry in the Subject Index is the six-digit *Bibliography of Agriculture* Identification Number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, microfilm or xero-

graphic copies of documents may be purchased from the Photoduplication Service of the National Agricultural Library, U. S. Department of Agriculture, Beltsville, Maryland 20705. Such requests must include the complete citation as well as the Library's call number or, for agricultural economics items not cataloged by the National Agricultural Library, the identification number in the call number position.

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About the author

Jane Buzby McFall is librarian at the Pennsylvania State University Life Sciences Library. As a result of her work in reference, instructional services and acquisitions in agricultural economics, rural sociology, agricultural education, agricultural engineering and food sciences technology, she became aware of the immense value that an immediate-reference index to individual commodities would have.

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Acad Agric Fr C R Seances
Acta Aliment Pol
Acta Biol Cracov, Ser Zool
Acta Crystallogr Sect B Struct Crystallogr Cryst Chem
Acta Endocrinol
Acta Hortic
Acta Hydrochim Hydrobiol
Acta Microbiol Pol
Acta Mycol
Acta Neurobiol Exp
Acta Palaeobot
Acta Parasitol Pol
Acta Physiol Scand
Acta Pol Pharm
Acta Trop
Adv Appl Microbiol
Adv Hydrosci
Advis Leafl G B Minist Agric Fish Food
Afinidad
Afr Agric
Afrikanerbees J
Agrarwirtschaft
Agric Bull Saga Univ
Agric Eng (St Joseph, Mich)
Agric Ext Serv Univ Minn Spec Rep
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Libr Inf Notes
Agric Meteorol
Agric North Irel
Agric Res
Agric Situat U S Dep Agric Stat Rep Serv
Agroanimalia
Agrochem Cour
Agro-Ecosystems (Amsterdam)
Agron J
Agron Mimeo Cornell Univ Dep Agron
Agron Res Rep La State Univ Agric Mech Coll Dep Agron
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Aktuelt Landbruksdep Opplysningstjeneste Norw
Alimenta
Allg Forstz
Am Bee J
Am Christmas Tree J
Am Farriers J
Am J Anat
Am J Bot
Am J Clin Nutr
Am J Obstet Gynecol
Am J Physiol
Am J Public Health
Am J Vet Res
Am Mus Novit
Am Nat
Am Nurserym
Am Potato J
Amis Roses
An Inst Nac Invest Agrar, Ser Prod Anim
Anal Biochem
Andhra Agric J
Anim Learn Behav
Anim Regul Stud
Ann Immunol
Ann Ist Super Sanita (Roma)
Ann Parasitol Hum Comp
Ann Sci Nat Zool Biol Anim
Ann Soc Entomol Que
Ann Trop Med Parasitol
Annot Bibliogr Commonw Inst Helminthol
Annu Prog Rep La Rice Exp Stn
Annu Rep Int Inst Land Reclam Improv
Anu Hortofruticola Esp
Apiacta
Appalachia (Wash)
APPITA (Aust Pulp Pap Ind Tech Assoc)
Appl Anim Ethology
Applied Environ Microbiol
Arable Farming
Araneta Res J
Arboric Fruit
ARC Res Rev Agric Res Counc (G B)
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Arch Virol
Arkansas Farm Res
Arkh Anat Gistol Embriol
ARS-NC U S Agric Res Serv North Cent Reg
Atmos Environ
Audubon
Aust J Bot
Aust J Exp Agric Anim Husb
Aust Vet Pract
Avian Dis
Avian Pathol
Aviculteur
Bakers Dig
Balwant Vidyapeeth J Agric Sci Res
Barley Genet Newsl
Baromfitenyesztes Feldolgozas
Bayer Landwirtsch Jahrb
Bedrijfsontwikkeling
Ber Geobot Inst Eidg Tech Hochsch Stift Rubel
Beret Statens Husdyrbrugsfors
Bergland, Bob Selmer (Addresses, Statements, Etc.)
Berl Munch Tierarztl Wochenschr
Betriebswirtschaft-Aktuell
Better Crops Plant Food
BF Butter-Fat Mag
BFE Ber Bundesforschungsanst Ernahr
Bhagirath
Bibliogr For Rom
Bibliogr Ser Inst Pap Chem Biene
Bilt Hmelj Sirak
Bi-Mon Res Notes Can For Serv
Biochem Biophys Res Commun
Biochem Exp Biol
Biochem J
Biochem Physiol Pflanz
Biochemistry (Easton)
Biochim Biophys Acta
Bioelectrochem Bioenerg
Biogeographica
Bioinorg Chem
Biol Bull
Biol Bull Dep Biol Coll Sci Tunghai Univ
Biol Conserv
Biol Moria
Biol Neonate
Biol Reprod
Biol Unser Zeit
Biol Zentralbl
Biorheology
BioScience Am Inst Biol Sci
Biotechnol Bioeng
Birokteren
Biul Inst Ziemniaka
Blauen Hefte Tier
Blyttia
Boissiera
Bol Divulg Minist Agric Ganad (San Jose Costa Rica)
Bol Inst Prod Florestais Cortica
Bol Tec Braz Dep Nac Obras Contra Secas
Bol Tec CODECAP Com Exec Defesa Fitossanit Lavoura Canavierira Pernambuco
Bol Tec Univ Chile Fac Cienc For
Bol Univ Repub Fac Agron (Montev)
Bosque
Bot J Linn Soc
Bot Mar
Bot Rev
Botyu Kagaku
Boundary Layer Meteorol
Br Farmer Stockbreed
Br J Pharmacol
Br Poult Sci
Br Vet J
Bras Acucar
Bras Flores
Brauwelt
Brauwissenschaft
Brew Dig
Brew Guardian
Brittonia
Bryologist
Bull Acad Pol Sci, Ser Sci Biol
Bull Am Assoc Bot Gard Arboreta
Bull B Okla Agric Exp Stn
Bull Br Mus Nat Hist Zool
Bull CETIOM (Cent Tech Interprof Ol Metrop)
Bull Chugoku Agric Exp Stn, Ser A
Bull Conn Agric Exp Stn New Haven
(Bull) Conn Univ Coop Ext Serv
Bull Entomol Res
Bull Fac Agric Hirosaki Univ
Bull Fac Agric Meiji Univ
Bull G T V (Group Tech Vet) Dossiers Tech Vet
Bull Hokkaido Prefect Agric Exp Stn
Bull Hokuriku Natl Agric Exp Stn
Bull Idaho For Wildl Range Exp Stn
Bull Inf Rizic Fr
Bull Kans Agric Exp Stn
Bull Kyushu Agric Exp Stn
Bull Kyushu Univ For
Bull Miss Agric For Exp Stn
Bull Mont Agric Exp Stn
Bull Natl Inst Agric Sci, Ser C Plant Pathol Entomol
Bull Natl Inst Agric Sci Ser D, Physiol Genet
Bull Natl Inst Agric Sci, Ser H Farm Manage Land Util
Bull North Scotl Coll Agric
Bull O I V (Off Int Vigne Vin)
Bull Penelitian Hortik
Bull Res Inst Food Sci Kyoto Univ
Bull S C Agric Exp Stn
Bull Soc Bot Fr
Bull Soc Sci Vet Med Comp Lyon
Bull Soc Zool Fr
Bull World Health Organ
Bull Yamagata Univ
C R Hebd Seances Acad Sci, Ser D Sci Nat
Cac Suc J
Calif Agric
Calif Farmer (Cent Ed)
Calif Vet
Can Beekeep
Can Farm Econ
Can Fruitgrower
Can J Bot
Can J Genet Cytol
Can J Microbiol
Can J Physiol Pharmacol
Can J Zool
Carbohydr Res
Castanea
CCP F A O
Cecidol Indica
Cell Immunol
Cell Mass Inst Technol
Cell Tissue Res
Ceres (Ions)
Ceska Mykol
Ceylon J Sci, Biol Sci
Chem Ber Ges Dtsch Chem
Chem Biol Interactions
Chem Lett
Chem Mikrobiol Technol Lebensm
Chem Nat Compd
Chem Pharm Bull
Chem Phys Lipids
Chem Soc Rev
Chem Spozyw
Cheval
Chih-wu Hsueh-pao
Chinchilla World Trade J
Chromatographia
Circ Clemson Univ Ext Serv
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Pa State Univ Coll Agric Ext Serv
Cirk Jordbrukstek Inst Citrograph
Citrus Veg Mag
Clin Toxicol
Cold Spring Harbor Symp Quant Biol
Colet Inst Tecnol Aliment
Collect Enseign Hortic
Comm Bull N S W Dep Agric Div Mark Econ
Commodities
Commonw For Rev
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Compr Virol
Comun Ser Prod Veg Inst Nac Invest Agrar
Confructa
Contrib Univ Mich Herbar
Cornell Agric Econ Staff Pap
Cornell Int Agric Dev Mimeogr
Counc Agric Sci Technol Rep
Countryside
Cranberries
Cryobiology
Ctry Life
Cult Dairy Prod J
Cultivar
Curr Scene
Curr Sci
Cutler, Malcolm Rupert (Addresses, Statements, Etc.)
Cytobiologie
Dairy Farmer Dairy Beef Prod
Dairy Herd Manage
Dairy Tales
Dairyfarm Dig
Dairymen's Dig Mid-States Reg
Dairymen's Dig North Cent Reg Ed
Dan Erhvervsfjerkrae
Dan Pelsdyravl
Dan Veterinaertidsskr
De Econ
Def Veg
Delt Hellen Kteniatr Hetair
Dendrol Uzb
Dep Inf Rep Texas A M Univ Dep Agric Econ
Derg Turk Vet Hekim Dernegi
Dev Biol
Dev Ind Microbiol
Dev Psychobiol
Differentiation
Div Rep C S I R O Div Soils
Div Soils Tech Pap C S I R O
Dokl Akad Nauk SSSR
Drvna Ind
Dtsch Baumsch
Dtsch Forstm
Dtsch Lebensm Rundsch
Dtsch Molk Ztg
Dtsch Muller Ztg
Dtsch Tierarztebl
DTW (Dtsch Tierarztl Wochenschr)
DVM (Chicago)
E H P (Environ Health Perspect)
Earth Surf Processes
Ecol Bull Statens Naturvetensk Forsk
Ecol Model
Ecol Monogr
Ecol Rev
Ecology (Durham)
Econ Issues
Econ Plann
Edesipar
Egypt J Dairy Sci
Ekonomista
EL Arkansas Univ Coop Ext Serv
Elelmez Ipar
Elev Insemination
EM Coop Ext Serv Coll Agric Wash State Univ
Embouteillage Cond
Endocrinology
Entomon
Entomophaga
Environ Pollut
Environ Prot Technol Ser EPA
Environ Southwest
Equine Vet J
Equip Tips
Equus
Erdo
ERFA (Erdogazdasag Faipar)
Ernahr Umsch
Ernahrungswirtschaft
ERS U S Dep Agric Econ Res Serv
Erwerbsobstbau
Etud Rurales Paris Ec Hautes Etud Sci Soc
Euphytica
Eur J Appl Microbiol Biotech

Eur J Biochem
Eur J Pharmacol
Exp Agric
Exp Cell Res
Exp Mycol
Ext Serv Rev Coop Ext Serv
F A O Conserv Guide
F A O Plant Prod Prot Ser
F. O. Licht's Int Sugar Rep
FAO Econ Soc Dev Ser
Farm Chem
Farm Econ (Pa State Univ)
Farm Food Res
Farm For
Farm Manage
Farmers Bull U S Dep Agric
FEBS Lett (Fed Eur Biochem Soc)
Fed Proc Fed Am Soc Exp Biol
Feedstuffs
Fermes Mod
Field Crops Res
Field Notes U S For Serv
Fisheries
Fitoterapia
Fjaderfa
Fjorfe
Fla Entomol
Fla Food Resour Econ
Fleisch
Fleischerei
Flora (Lond)
Florists Rev
Fluoride
Flussiges Obst
Foldrajzi Ert
Food Manuf
Food Nutr Notes Rev Aust Dep Health
Food Policy (Sussex)
Food Prod Dev
Food Technol
Food Technol Aust
Food Technol N Z
For Insect Condition U S
For Prod J
For Res Rep Agric Exp Stn Univ Ill
For Serv Gen Tech Rep SO U S South For Exp Stn
For Serv Res Note NE U S Northeast For Exp Stn
For Serv Res Pap ITF Inst Trop For For Serv U S Dep Agric
Foreign Agric Circ Fresh Processed Veg FVEG U S Foreign Agric Serv
Foreign Agric Trade U S Dep Agric Econ Stat Coop Serv
Foreign Agric U S Foreign Agric Serv
Foreman, Carol Tucker (Addresses, Statements, Etc.)
Forestalk
Foret Pap
Forsttech Inf
Fruit Sci Rep
G Allevatori
Ga Vet
Gac Colmenar
Garden
Gart Landschaft
Gartenbau
Gartneryrket
GC HTJ
Gegenbaurs Morphol Jahrb
Gemuse
Genet Res
Genetics
Geoderma
Geogr J
GeoJournal
Getreidewirtschaft
Gewasbescherming
Gidroliz Lesokhim Prom-st'
Glasnik Poljopr Proizvod Prerade Plasmana
Glean Bee Cult
Gordian
Gozdar Vestn
Grasas Aceites
Great Basin Nat
Greenhouse
Ground Water
Grounds Maint
Grundlagen Landtech
Hajtatas Korai Termesztes Kert Egy Zoldsegtermesztesi Tansz
Hereditas
Hess Florist Briefe
Hidrometeorol Straipsniai
Highlights Agric Res
Hilgardia
Hist Med Vet
Hjort, Howard W (Addresses, Statements, Etc.)
Hoards Dairym
Hodowla Rosl Aklim Nasienn
Hog Farm Manage
Hoja Tec I N I A Inst Nac Invest Agrar
Holz Kunststoffverarbeitung
Holz Roh Werkst
Holzforsch Holzverwert
Holzindustrie
Home Econ Res Rep U S Dep Agric
Home Gard Bull U S Dep Agric
Hopfenrundschau
Hortic Dig
Hortic Ind
Hortsci
Hung Agric Rev
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Ikon Misul
Ill Res
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Ind Aliment Agric
Ind Aliment Anim
Ind Azucar
Ind Obst Gemuseverwert
Indian Agric
Indian Dairym
Indian For
Indian Hortic
Indian J Anim Health
Indian J Anim Res
Indian J Exp Biol
Indian J Ext Educ
Indian J Hortic
Indian J Med Res
Indian J Nutr Diet
Indian J Poult Sci
Indian Poult Gaz
Indian Poult Rev
Indian Silk
Indian Sugar
Indian Vet J
Inf Rep FMR-X For Manage Inst Ottawa
Inf Sheet Coop Ext Serv Miss State Univ
Infect Immun
Inquinamento
Insect Pest Surv Tasmania Dep Agric
Insectes Soc
Int Arch Allergy Appl Immunol
Int Holzmarkt
Int J Insect Morphol Embryol
Int J Parasitol
Int Rev Biochem
Int Rr Gesamten Hydrobiol
Int Rice Res Newsl Int Rice Res Inst
Inten Agric
Interdep Publ ID Univ Ky Coop Ext Serv
INTSOY Ser Int Soybean Program
Iowa State J Res
Ir Vet J
Isotopenpraxis
Isr J Bot
Isr J Zool
Ital Agric
Izv Akad Nauk Gruz SSR Ser Biol Kaia Proc Acad Sci Georgian SSR Biol Ser
J Agric Chem Soc Jap
J Agric Eng
J Agric (Melb)
J Air Pollut Control Assoc
J Am Oil Chem Soc
J Am Soc Brew Chem
J Am Vet Med Assoc
J Am Water Works Assoc
J Anat
J Apic Res
J Appl Physiol
J Arboric
J Bacteriol
J Biol Chem
J Bryol
J Can Diet Assoc
J Can Inst Food Sci Technol
J Cell Biol
J Cell Sci
J Chem Ecol
J Chin Chem Soc
J Chromatogr
J Chromatogr Sci
J Comp Pathol
J Environ Health
J Environ Manage
J Environ Syst
J Exp Bot
J Fac Agric Shinshu Univ
J Fac Sci Hokkaido Univ, Ser V Bot
J Ferment Technol
J Food Prot
J Food Sci
J Food Sci Tech
J Food Sci Tech (Tokyo)
J For
J Ga Entomol Soc
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Hered
J Hist Geogr
J Home Econ
J Hydrol
J Immunogenet
J Immunol Methods
J Indian Chem Soc
J Infect Dis
J Insect Physiol
J Inst Brew
J Jap Bot
J Jap For Soc
J Jap Vet Med Assoc
J Jap Wood Res Soc
J Jpn Soc Grassl Sci
J Lipid Res
J Microsc (Lond)
J Mol Biol
J N Y Entomol Soc
J Nat Hist
J Nutr
J Org Chem
J Pharm Soc Jap
J Physiol
J Range Manage
J Soc Agric Mach Jap
J Stored Prod Res
J Taiwan Livest Res
J Toxicol Environ Health
J Virol
J Wash Acad Sci
J Water Pollut Control Fed
J Wildl Manage
J Zool
Jap J Anim Reprod
Jap J Appl Entomol Zool
Jap J Ecol
Jap J Genet
Jap J Nutr
Jap J Trop Agric
Jap J Zootech Sci
Jap Poult Sci
Jarmuvek, Mezogazd Gepek
JIPA J Indian Potato Assoc
Jordbruksekon Medd
Justus Liebigs Ann Chem
Kartofel' Ovoshchi
KB Mitt Schweiz Verb Kunstliche Besamung Schweiz Arbeitsgem KUnstliche Besamung
Kenya Cof
Kexue Tongbao Sci
Kholod Tekh
Kobe Daigaku Nogaku-bu Kenkyu Hokoku Sci Rep Fac Agric Kobe UNiv
Konservn Ovoshchesushil Prom-st'
Kraftfutter
Krmiva
Kvasny Prum
Ky Farmer
L Nev Univ Coop Ext Serv
Lab Anim Sci
Lab Invest
L'Action Vet
Lambillonea
Land Econ
Land Resour Bibliogr
Landbauforsch Volkenrode
Landbouwkd Tijdschr
Landbouwmechanisatie
Landbrukstidende
Laporan Lembaga Penelitian Hutan
Latte
LC (Listy Cukrov)
Leafl Coop Ext Serv Univ Ga Coll Agric
Leafl Div Agric Sci Univ Calif Berkeley Coop Ext
Leafl U S Dep Agric
Lebensm Ind
Les (Ljubl)
Lesn Khoz
Lesn Prom-st
Lesnictow Warsz Szk Gl Gospod Wiejsk
Life Sci
Lighter
Linn Soc Symp Ser
Lipids
Livest Breed J
Livest Farming
Livest Int
Livest Prod Sci
Lloydia
Macch Mot Agric
Maelkeritidende
Magy Allatvilaga Fauna Hung
Magy Textiltech
Malays Agric J
Mark Bull U S Dep Agric
Mark Res Rep U S Dep Agric
Mater Org
MB Va Polytech Inst State Univ Coop Ext Serv
Meat Process
Mech Zemed
Med Nutr
Medd Den Statens Redskabsprover
Medd Statens Planteavlsforsog Den
Meded Landbouw-Econ Inst
Meded Landbouwhogesch Wageningen
Meheszet
Meieriposten
Mem Coll Agric Ehime Univ
Mem Fac Agric Hokkaido Univ
Membr Transp Process
Memo Tec Mex Dir Gen Dist Riego
Metab Clin Exp
Methods Enzymol
Miasn Ind SSSR
Mich Farm Econ
Microbiology
Microbios Lett
Milchwissenschaft
Milling Feed Fert
Minn Agric Econ
Minn Sci
Misc Bryol Lichenol
Misc Inf Tokyo Univ For
Misc Publ Hawaii Univ Coop Ext Serv
Misc Publ Md Agric Exp Stn
Misc Publ Mus Zool Univ Mich
Misc Rep Minn Agric Exp Stn
Mitt Forstl Vers Forschungsanst
Mitt Schweiz Fleckviehzuchtver
Mitt Versuchsstn Garungsgewerbe Wien
Mljekarstvo
Mod Dairy
Mol Biol
Mol Biol (New York)
Mol Gen Genet (MGG)
Molk-Ztg Welt Milch
Molochn Prom-st'
Mondo Latte
Monogr Indian Inst Manage Cent Manage Agric
MP Tex Agric Exp Stn
Mt Grow
Muhle Mischfuttertech
Mushroom J
Mutat Res
My Forest
Mycopathologia
N Z J Agric
N Z J Agric Res
N Z J Exp Agric
N Z J Mar Freshwater Res
N Z J Sci
N Z Soil News
N Z Tob Grow J
Na Okika O Hawaii (Hawaii Orchid J)
Nat Jutl
Natl Res Counc Curr Issues Stud Natl Acad Sci
Natturufraedingurinn
Naturalist (Leeds)
Nature
Natursch Naturp
Naturwiss Rundsch
Nauka Pol
Ned Bosbouw Tijdschr
Nematologica
Nematropica
Neth J Plant Pathol
Neth Milk Dairy J
Neue Bienenzucht
Neurospora Newsl
New Sci (London)
Newsl Assoc Off Seed Anal
Nihon Shokuhin Eisei Gakkai J Food Hyg Soc Jap
Nippon Dojohiryogaku Zasshi
Nogaku Kenkyu Inst Agric Biol Sci Okayama Univ
Nor Pelsdyrbl
Nor Skogind
Nor Veterinaertidskr
Nord Lantbruksekon Tidskr
Nord Veterinaermed
North Cent Reg Res Publ
Northwest Lumberman
Nytt Forsk Skogsarbeten
Occas Paper Farlow Herb Cryptogam Bot
Oesterr Wasserwirtsch
Oils Oilseeds J
Okla Curr Farm Econ
Okla Farmer-Stockman
Onderstepoort J Vet Res
Opred Faune SSSR
Orchid Advocate
Oreg Agri Rec
Orient Insects Suppl
Ornamentals Northwest
Ornitologiia
Orquideologia
Oryza
Osterreichische Tierarzte Ztg
OSU Ext Facts Sci Serv Agric Okla State Univ Coop Ext Serv
Pac Discov
Pak Dev Rev
Pak J Zool
Pamatky Prir
Pamiet Pulawski Inst Uprawy Nawozenia Glebozn
Pap Am Soc Agric Eng
Pap Celul
Papier
PB U S Natl Tech Inf Serv
Peanut Farmer
Peanut J Nut World
Pecan Q
Pedologist
Periodi Biol
Pestic Biochem Physiol

Pesticides
Petit J Brass
Pflanzenarzt
Pharm Acta Helv
Philipp J Crop Sci
Photochem Photobiol
Photogramm Eng Remote Sensing
Phys Zool
Physiol Plant
Physiol Veg
Phytochemistry
Phytomorphology
Phytoparasitica
Phytopathol Z
Phytophylactica
Pig Farming
Plant Biochem J
Plant Cell Physiol
Plant Chron
Plant Dis Rep
Plant Physiol
Plant Prot Bull (Rome)
Plant Soil
Planta
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
PNW Oreg State Univ Coop Ext Serv
Pol Arch Weter
Pol J Soil Sci
Poljopr Sumar
Pomme Terre Fr
Populier
Poult Advis
Poult Ind
Power Farming Mag
Pr Inst Badaw Lesn
Pr Inst Krajowych Wlok Nat
Pr Inst Lab Badaw Przem Spozyw
Pr Poznan Tow Przyj Nauk Wydz Nauk Roln Lesn
Prakt Schadlingsbekampf
Prat Vet Equine
Prelim Rep Agric Res Organ Principes
Proc Annu Meet Lightwood Res Coord Counc
Proc Annu Meet West Agric Econ Assoc
Proc Annu Recipro Meat Conf Am Meat Sci Assoc
Proc Assoc Plant Prot Kyushu
Proc Indian Acad Sci, Sec B
Proc Natl Acad Sci U S A
Prod Agric Fr
Prog Agric Vitic
Prog Chem Fats Other Lipids
Prog Farming
Prog Water Technol
Propr Agric
Protoplasma
Prum Potravin
Publ Can Dep Agric
Publ Coop Ext Programs Univ Wis Ext
Publ Miss State Univ Coop Ext Serv
Publ 2 Landbouw-Econ Inst Afd Structuuronderz
Publ 3 Landbouw-Econ Inst Afd Bedr Onderz Landbouw
Publ 5 Landbouw-Econ Inst Afd Viss Bosbouw
Q J Chin For
Q J Exp Physiol Cogn Med Sci
Quaest Entomol
Quaest Geogr
R T I A (Rev Tech Econ Ind Aliment)
Radiat Environ Biophys
Ranch Mag
Rapp Inst Arbetsmetodik Tek Lantbrukshogsk Upps
Rapp Uppsats Res Notes Stockh Skogshogsk Inst Skogsgenet
Rass Chim
REA Bull U S Electrif Adm
Recept Recognition Ser B
Remote Sens Environ
Res Bull Coll Exp For Hokkaido Univ
Res Bull Hokkaido Natl Agric Exp Stn
Res Bull Obihiro Univ Agric Vet Med
Res Dev Pap G B For Comm
Res Note Appl For Res Inst N Y (State) State Univ Coll Environ Sci For
Res Note SO U S South For Exp Stn
Res Rep For Res Inst
Res Rep Ga Exp Stn
Res Rep Mont Agric Exp Stn Mont State Univ
Res Vet Sci
Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)
Rev Fr Corps Gras
Rev Hortic Suisse
Rev Lait Fr
Rev Nutr Anim
Rev Plant Pathol
Rev Port Cienc Vet
Rev Roum Biochim
Rev Roum Sci Soc Ser Sci Econ
Rev Suisse Agric
Rev Suisse Vitic Arboric Hortic
Rev Suisse Zool
Rev Theobroma
Rev Vet Can
Rhod Agric J
Rice J
Rinsan Shikenjo Geppo J Hokkaido For Prod Res Inst Hokkaido RItsu
Riv Parassitol
Rocz Akad Roln Poznan
Rocz Nauk Roln, Ser E, Ochr Rosl
Rocz Nauk Roln, Ser F Melior Uzytkow Zielon
Rocz Nauk Zootech
Ronbunshu Nogyo Doboku Gakkai (Trans Jap Soc Irrig Drain Reclam Eng)
Rozpr Szczecin Wyzsz Szk Roln
Rural India
S Afr For J
S Afr J Anim Sci
S Afr J Dairy Technol
S Afr Sugar J
Sakh Prom-st'
Saline Water Convers Res Rep Calif Univ Berkeley Resour Cent
Schlachten & Vermarkten
Schweiz Arch Tierheilkd
Schweiz Bienen-Zeitung
Schweiz Landtech Dtsch Ausg
Schweiz Milchwirtsch Forsch
Schweiz Z Obst Weinbau
Sci Agric
Sci Agric Bohemoslov
Sci Bull Dep Agric Tech Serv (Pretoria)
Sci Bull Fac Agric Kyushu Univ
Sci Cult
Sci Hortic (Canterbury)
Sci Pap Coll Gen Educ
Sci Rep Fac Agric Okayama Univ
Science
Scott Beekeep Scott Beekeep Assoc
Sea Grant Publ Univ Calif Sea Grant Coll Program
Search
Seed Sci Technol
Sel Vet Ist Zooprofil Sper Lomb Emilia
Semiannu Prog Rep Int Rice Res Inst
Ser Didact Univ Nac Tucuman Fac Agron Zootec
Short Term Leafl Minist Agric Fish Food (Middlesex)
Slovenski Cebelar
Smaskrift Landbruksdep Opplysningstjenesten (Norway)
Soc Sci J
Socio-Econ Inf Ohio Agric Rural Communities
Sociol Ruralis
Socker, Handlinger II
Soil Biol Biochem
Soil Conserv
Soil Sci
Soil Surv Pap Sticht Bodemkartering
Soripar
South J Appl For
Southeast Area S & P F U S For Serv Div State Priv For
Southwest Entomol
Sov Genet
Sov Hydrol
Sov J Dev Biol
Sov Plant Physiol
Sov Soil Sci
Sov Torg
Soybeans Chem Technol
Soz Forstwirtsch
Spec Circ Pa State Univ Ext Serv
Spec Rep Arkansas Agric Exp Stn
Spec Rep Oreg State Univ Ext Serv
Star Furrow
Stat Bull U S Dep Agric
State Vet J
Statni Statky
Stn Bull Indiana Agric Exp Stn
Stop Pregl
Stud Soc Sci Torun, Sect D Bot
Sucr Belg
Sucr Fr
Sudan Cotton Rev
Sugarcane Breed Newsl
Sugarcane Pathol Newsl
Sutoipar
Sven Papperstidn
Sven Vet Tidn
Sver Skogvardsforb Tidskr
SYLVATROP Philipp For Res J
Szeszipar
Tabakpflanz Osterr
TAG (Theor Appl Genet)
Tappi (Tech Assoc Pulp Paper Ind)
Tasman J Agric Tasman Dep Agric
Tec Molit
Tech Bull Fac Agric Kagawa Univ
Tech Bull N C Agric Exp Stn
Tech Bull N S W Dep Agric
Tech Lait
Tech Pap C S I R O Div Land Resour Manage
Tech Publ N S W For Comm Div Wood Technol
Tech Rep Tex Water Resour Inst
Tehnol Mesa
Teratology
Termeszet Vilaga
Tetrahedron Lett
Tex Agric Prog
Text Res J
Theriogenology
Tidskr Skogbruk
Tidskr Sver Utsadesforen
Tidsskr Landokon
Tidsskr Plant
Tijdschr Diergeneeskd
Tijdschr Entomol
Tissue Cell
Tob Int
Toim, Biol Eesti NSV Tead Akad
Tolvmandsbladet
Topola
Torf Prom-st'
Tottori Daigaku Nogakubu Kenkyu Hokoku Bull Fac Agric Tottori Univ
Toxicol Appl Pharmacol
Tr Leningr O Va Estestvoispyt
Trans Am Microsc Soc
Trans Biochem Soc
Trans Br Mycol Soc
Trans R Soc Trop Med Hyg
Trends Biochem Sci
Trop Agric Res Ser
Trop Anim Health Prod
Trop Stored Prod Inf
TSeluloza Khartiia
TSitologiia
U S Agric Res Serv (Reprints of articles by ARS employees)
U S D A For Serv Res Note PSW U S Pac Southwest For Range Exp Stn
U S For Serv (Reprints of articles by FS employees)
UFA Rev Union Fed Coop Agric Suisses
Ugeskr Agron Hortonomer Forstkandidater Licentiater
Umschau
Umweltschutz
Unasylva
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Zesz Nauk Akad Roln-Tech Olsztynie Ekon
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QD241.K453
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FIELD CROPS—CULTURE

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HORTICULTURAL CROPS—CULTURE

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Use of growth regulators to increase resistance of spring barley to lodging. Bokarev, K S; Prusakova, L D; Murav'ev, S A; Chizhova, S I *Sov Plant Physiol* 24 (5, Pt. 2): 872-877. Ref. Sept/Oct 1977 (Transl 1978)

PLANT FUNGUS DISEASES AND CONTROL

QD241.K453

Isolation of hemigossypol quinone from a cotton plant infected with wilt [fungus Verticillium dahliae]. Abdullaev, Z S; Karimdzhanov, A K; Ismailov, A I; Islambekov, Sh YU; Kamaev, F G; Sagdieva, M G *Chem Nat Compd* 13 (3): 291-293. Ref. May/June 1977 (Transl 1977)

QD241.K453

Metabolites of the pathogenic fungus Verticillium dahliae. V. 9,10-dichlorostearic acid-a minor component of the lipid fraction. Stepanichenko, N N; Tyshchenko, A A; Gusakova, S D; Navrezova, N Sh; Khamidova, R; Mukhamedzhanov, S Z; Umarov, A U; Otroshchenko, O S *Chem Nat Compd* 13 (5): 521-524. Ref. Sept/Oct 1977 (Transl 1978)

QD241.K453

Metabolites of the pathogenic fungus Verticillium dahliae. VI. Pentaketide metabolites and neutral lipids of virulent and avirulent strains. Ten, L N; Tyshchenko, A A; Stepanichenko, N N; Gusakova, S D; Mukhamedzhanov, S Z; Otroshchenko, O S; Kas-'yanenko, A G *Chem Nat Compd* 13 (5): 524-527. Sept/Oct 1977 (Transl 1978)

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Effects of CO2 and NH3 [carbon dioxide and ammonia] on the membrane potential of unvacuolized [fungal] cells. Lyalin, O O; Ktitorova, I N; Akhmedov, I S *Sov Plant Physiol* 24 (5, Pt. 2): 869-871. Sept/Oct 1977 (Transl 1978

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Higher fatty acids of the chloroplasts of cotton during infection with Verticillium wilt [verticillium dahliae]. Rubin, B A; Shevyreva, V V; Merzlyak, M N; Voronkov, L A *Sov Plant Physiol* 24 (5, Pt. 2): 856-861. Ref. Sept/Oct 1977 (Transl 1978)

MISCELLANEOUS PLANT DISEASES, INJURIES AND CONTROL

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Characteristics of frost resistance and winterkilling of apple wood parenchyma cells. Krasavtsev, O A; Khvalin, N N *Sov Plant Physiol* 25 (1, Pt. 1): 1-6. Ref. Jan/Feb 1978 (Transl. 1978)

GENERAL ENTOMOLOGY

QH506.A1M622

Genome organization in eukaryotes [Drosophila melanogaster]. Gvozdev, V A *Mol Biol (New York)* 12 (1, Pt. 1): 1-23. Ref. Jan/Feb 1978 (Transl. 1978)

QH431.A1G43

Investigation of the neurophysiological character ether narcotization rate in relation to the behavior of insects (Drosophila melanogaster and Apis mellifera). I. Nature of the genetic and ontogenetic variability of the ether narcotization rate in Drosophila lines and honeybee races. Breeding of Dr. Lopatina, N G; Marshin, V G; Ponomarenko, V V; Smirnova, G P; Sogrin, B V *Sov Genet* 13 (10): 1187-1195. Ref. Oct 1977 (Transl Apr. 1978)

QH431.A1G43

Possible role of genetically controlled peculiarities of the esterase system in the resistance of Drosophila virilis to the action of increased temperature. Raushenbakh, I YU; Golosheikina, L B; Korochkina, L S; Korochkin, L I *Sov Genet* 13 (6): 712-720. June 1977 (Trans Dec 1977)

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The benthos biomass of some streams on the Chukotka Peninsula [Trichoptera, Ephemeroptera, Plecoptera, Simuliids]. Levanidov, V YA *Hydrobiol J* 13 (1): 46-52. Ref. 1977 (Transl. 1978)

410.9 P444

Weevils of the subfamily Cleoninae in the fauna of the USSR. Tribe Lixini. Ter-Minasyan, M E *Opred Faune SSSR* 95, 166 P. Ref. 1978

SOIL SCIENCE

57.8 P34AE

Biological cycle of chemical elements in the forest and field on the sod-podzolic soils of the eastern Russian plain. Tyulin, V V; Selezneva, M A *Sov Soil Sci* 9 (3): 256-263. Ref. May/June 1977 (Trans 1978)

57.8 P34AE

Composition and genesis of the ortsands of soils in the taiga zone of West Siberia. Nikitin, YE D; Fedorov, K N *Sov Soil Sci* 9 (4): 383-391. Ref. July/Aug 1977 (Transl 1978)

57.8 P34AE

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57.8 P34AE

Composition of the humus of a Sod-Podzolic soil with a second humus horizon. Karavayeva, N A; Subbotina, YE N *Sov Soil Sci* 9 (4): 442-452. Ref. July/Aug 1977 (Transl 1978)

57.8 P34AE

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57.8 P34AE

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57.8 P34AE

Nature and strength of the bond of organic substances with soil minerals. Gorbunov, N I; Orlov, D S *Sov Soil Sci* 9 (4): 465-476. Ref. July/Aug 1977 (Transl 1978)

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New humus formations in tundra soils. Stenina, T A; Sloboda, A V *Sov Soil Sci* 9 (4): 414-416. July/Aug 1977 (Transl 1978)

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GB746.W33

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SOIL IMPROVEMENT MATERIALS

57.8 P34AE

Effect of the application rate and ratios of mineral fertilizers on the yield and grain quality of spring wheat on Chernozem. Shkonde, E I; Lesogorova, A I *Sov Soil Sci* 9 (4): 423-427. July/Aug 1977 (Transl 1978)

57.8 P34AE

Efficacy of the application of microelements to eroded soils. Openlender, I V *Sov Soil Sci* 9 (4): 455-459. Ref. July/Aug 1977 (Transl 1978)

57.8 P34AE

Study of the interrelation between the nitrogen and phosphorus nutrition of [wheat] plants (using N15 and P32 [nitrogen isotope, phosphorus isotope]). Rusinova, I P *Sov Soil Sci* 9 (4): 417-422. July/Aug 1977 (Transl 1978)

SOIL RESOURCES AND MANAGEMENT

57.8 P34AE

Effect of primary cultivation on the structure and makeup of the plow layer of a leached Chernozem. Semikhnenko, P G; Yaroslavskaya, P N *Sov Soil Sci* 9 (4): 491-497. July/Aug 1977 (Transl 1978)

57.8 P34AE

Erodible lands in the USSR. Zaslavskiy, M N *Sov Soil Sci* 9 (4): 460-464. Map. July/Aug 1977 (Transl 1978)

WATER RESOURCES AND MANAGEMENT

292.8 SO8

Effect of forest shelterbelts on snow distribution in the Don River Basin. Grishin, I S *Sov Hydrol* 3: 182-184. 1975 (Transl. 1976)

57.8 P34AE

Effect of the structure of irrigated Sierozems on the development of the root system of cotton. Ryzhov, S N; Slesareva, L N *Sov Soil Sci* 9 (4): 477-490. Ref. July/Aug 1977 (Transl 1978)

GB746.W33

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GB746.W33

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QH90.A1H93

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QH90.A1H93

Some results of investigations of the cycle of matter and the biological self-purification of lakes and streams [Role of aquatic organisms, including Algae and Fungi, water pollution, Volga reservoirs]. Kamshilov, M M *Hydrobiol J* 13 (1): 1-8. 1977 (Transl. 1978)

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from worldwide sources. The Bibliography includes citations of journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation, Lockheed Information Systems, and Bibliographic Retrieval Services.

Publications are considered for indexing by NAL if a summary, abstract or title is available in a language in which the indexers have expertise. Articles of substantial interest to the agricultural community are selected by specialists on the staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not generally included. Indexing on the processing of agricultural products is limited to those on primary processing. In general, material must have been published in the current year or the preceding year to be included by NAL, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles which would not otherwise be indexed in the *Bibliography of Agriculture* are included for USDA authored, sponsored, or published materials. FNIC and AAEDC place no limitation on date of publication for entry into the data base. Abstracts and subject terms provided by FNIC and AAEDC are not published, although they are available in AGRICOLA.

The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

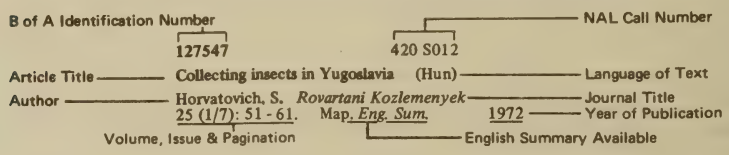
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

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(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
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(Chi)	Chinese	(Ita)	Italian		
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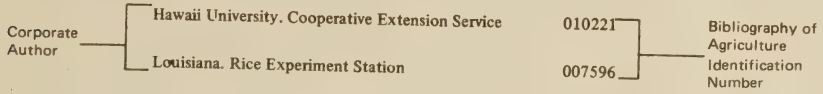
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

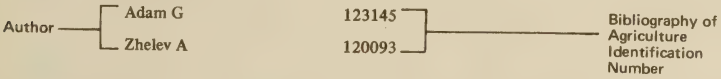
CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the Library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 38,000 terms. The file is organized so that in many cases synonymous terms are grouped together under a single subject heading. Thus, singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in boldface type. The alphabetic sequence is by the secondary (boldface) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES
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The **present** *cheese* situation and international activity for increasing cheese production in developing countries [Prospects, programs and economic aspects]. 021632
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Cheddar cheese made with bovine pepsin. I. Yield and **quality** of *cheese*. 022755
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Influence exercised by [the yeast] Saccharomyces oviformis during maturation of **Teleme** *cheese*. 022801
Characteristics of Norwegian **whey** *"cheese"*. 022733
Microbial quality of *cheese* **whey** samples from various factories in southern Ontario [Feed contamination, water pollution]. 023376

Many general terms have been deleted from the control vocabulary since 1975, and work has just been finished on a more complete list of specific terms. *Agricultural Terms,* the second edition of the *Thesaurus of Agricultural Terms,* reflects all the changes made in the control vocabulary through December 1977. This second edition is now available.

The last item of each entry in the Subject Index is the six-digit *Bibliography of Agriculture* Identification Number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

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graphic copies of documents may be purchased from the Photoduplication Service of the National Agricultural Library, U. S. Department of Agriculture, Beltsville, Maryland 20705. Such requests must include the complete citation as well as the Library's call number or, for agricultural economics items not cataloged by the National Agricultural Library, the identification number in the call number position.

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About the author

Jane Buzby McFall is librarian at the Pennsylvania State University Life Sciences Library. As a result of her work in reference, instructional services and acquisitions in agricultural economics, rural sociology, agricultural education, agricultural engineering and food sciences technology, she became aware of the immense value that an immediate-reference index to individual commodities would have.

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A E Ill Univ Dep Agric Econ
A S A Spec Publ Am Soc Agron
Acad Agric Fr C R Seances
Acrida
Act Inst Jordbrukets Utredn
Acta Amazonica
Acta Bot Indica
Acta Bot Neerl
Acta Bot Venez
Acta Entomol Bohemoslov
Acta Fac Rerum Nat Univ Comenianae Microbiol
Acta Genet Sin
Acta Med Vet
Acta Mycol
Acta Vet Scand
Acta Virol
Acta Zool (Budap)
Actual Biol (Colombia)
Adansonia
Adv Carbohydr Chem Biochem
Adv Microb Physiol
Adv Polyamine Res
Advis Leafl G B Minist Agric Fish Food
Afinidad
AG N C State Univ Agric Ext Serv
Agrar Rundsch
Agrarrecht
Agrartech Int
Agrartort Sz
Agric Am (Kans City)
Agric Biol Chem
Agric Inf Bull U S Dep Agric
Agric Mag
Agric Rural Dev Relat Agencies Appropriations Hear U S Congr House Comm Appropriations
Agric Third Century U S Dep Agric Econ Res Serv
Agric Venezie
Agricultura (Madr)
Agriculture (Paris)
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Agrociencia
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Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Ala Cattlem
Ala For
Alaska Lands Hear U S Congr House Comm Merchant Mar Fish Subcomm Fish Wildl Conserv Environ
Alexanor
Algodonero
Alimenta
Aliphatic Chem
Aliso
Allg Dtsch Imkerztg
Allg Forstz
Allg Forstztg
Am J Bot
Am J Clin Nutr
Am J Physiol
Am J Public Health
Am Mus Novit
Am Sci
AMS U S Dep Agric Agric Mark Serv
An Inst Nac Invest Agrar Ser Gen
Anal Rec
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Arq Inst Biol (Sao Paulo)
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Bol Argent Repub Estac Exper Agropecu Pres Roque Saenz Pena
Bol Chil Parasitol Chile Dep Parasitol
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Calif Farmer (Cent Ed)
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Chung-Kuo Lin Yeh K'o Hsueh
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CMI Descr Pathog Fungi Bact (Commonw Mycol Inst)
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Cytogenet Cell Genet
Dairy Farmer Dairy Beef Prod
Dairy Ind Int
Dairy Top
Dan Erhvervsfjerkrae
Dan Pelsdyravl
Desarr Rural Am
DLG Mitt Dtsch Landwirtsch Ges
DLZ (Die Landtech Z)
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Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
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Dtsch Lebensm Rundsch
Dtsch Tierarztebl
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EM Coop Ext Serv Coll Agric Wash State Univ
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Eur Verte
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FAO Econ Soc Dev Ser
Farm Fact
Farmer Parliament
Farming Zambia
Faune Madagascar
FEBS Lett (Fed Eur Biochem Soc)
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Feed Feed Dig
Feed Manage, East Ed
Fert Mark News
Fla Grower & Rancher
Fla Nat
Fla Sci
Flora Males Bull
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Folia Geobot Phytotaxon
Folia Morphol
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Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ Livest Meat FLM MT U S Foreign Agric Serv
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Forstarchiv
Forum Sekolah Pasca Sarjana Inst Pertanian Bogor
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Fragm Faun Pol Akad Nauk Inst Zool
Fungic Nematic Tests Results Am Phytopathol Soc
Gac Colmenar
Gakujutsu Kenkyu Hokoku Daiichibu Res Bull Obihiro Univ Ser I Obihiro Chikusan Daigaku
Gartneryrket
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Gen Comp Clin Endocrinol Adrenal Cortex
Genetika
Geochem Int
Gesunde Pflanz
Getreide Mehl Brot
Gidrobiol Zh
Gidrotekh Melior
Glasnik Poljopr Proizvod Prerade Plasmana
Gottinger Floristische Rundbriefe
Gozdar Vestn
Graellsia
Handelsfuttermittel
Hassadeh
Heat Role Wildland Fire
Hess Florist Briefe
Hickenia Bol Darwinion
Hist Med Vet
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Hoards Dairym
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Hommes Terre Eaux
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Hua Hsueh T'ung Pao (Hauxue Tongbao)
Iceberg Lettuce Res Program Annu Rep
Idrotecnica
Iheringia, Ser Bot
IKO Inn Kolonisation Land Gemeinde
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Immunology
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Indian Silk
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Inf Ortofruttic
Inf Rep FMR-X For Manage Inst Ottawa
Inf Sobre Grasas Aceites
Inf Tec Argent Repub Estac Exp Reg Agropecu Pergamino
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Int Biodeterior Bull
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J Am Chem Soc
J Am Diet Assoc
J Am Leather Chem Assoc
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J Am Soc Hortic Sci
J Anal Toxicol
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J Biol Chem
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J Cell Physiol
J Chromatogr
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J Coll Dairy
J Comp Physiol
J Embryol Exp Morphol
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J Entomol Res
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J Ferment Technol
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J Food Sci Tech (Tokyo)
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J Indian Soc Agric Stat
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J Jpn Soc Grassl Sci
J Lipid Res
J Mol Biol
J Nutr
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J Pharm Soc Jap
J Physiol (Paris)
J Reprod Fertil
J Res Lepid
J S Afr Vet Assoc
J Small Anim Pract
J Soc Agric Mach Jap
J Soil Water Conserv
J Timber Dev Assoc India
Jahrb Bundesanst Pflanzenbau Samenpruf Wien
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Jap J Ecol
Jap J Vet Res
Jap J Zootech Sci
Jap Poult Sci
Kartofel' Ovoshchi
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Khlopkovodstvo
Kholod Tekh
Kiel Milchwirtsch Forschungsber
Kistenyesztok Lapja
Korean J Plant Prot
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Landbouwkd Tijdschr
Landschaft & Stadt
Landtechnik
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Lebensm Ind
Les (Bratisl)
Lesn Khoz
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Lesn Prom-st
Life Sci
Livest Advis
Lohnunterne Land Forstwirtsch
Man Precis Elev Inst Elev Med Vet Pays Trop
Mar Biol
Mark Res Rep U S Dep Agric
Materialsamml Agrarsoz Ges
Medd Statens Planteavlsforsog Den
Meld Landbruksteknisk Inst
Mem Que (Prov) Dep Lands For Res Serv
Memo Tec Mex Dir Gen Dist Riego
Metab Clin Exp
Mets Puit Paber Les Drev Bum
Miasn Ind SSSR
Mikrobiol Zh
Milch Prax Rindermast
Milchwirtsch Ber Bundesanst Wolfpassing Rotholz
Minn Hortic
Misc Bryol Lichenol
Mitt Bot Staatssamml Munch
Mitt Bundesforschungsanst Forst Holzwirtsch
Mitt Entomol Ges Basel
Mitt Forstl Bundes-Versuchsanst Wien
Mitt Obstbauversuchring Jork
Mitt Schweiz Landwirtsch
Mol Cell Endocrinol
Molk-Ztg Welt Milch
Monatsh Veterinarmed
Monatsschr Brau
Monogr Bot
Mukomol'no Elevat Kombikormovaia Prom-st'
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Nutr Program News
Nutr Rep Int
Nutr Requir Domest Anim Natl Res Counc Comm Anim Nutr
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Oecologia
Ogrodnictwo (Warsz)
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Osteuropastud Hochschulen Landes Hessen Reihe 1, Giessener Abh Agrar Wirtschforsch Eur Ostens
Ovina
PA U S Dep Agric
PANS Pest Artic News Summ
Pap Celul
Pap Puu
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PB U S Natl Tech Inf Serv
Pedologist
Pepinier Hortic Maraich
Pflanzenarzt
Pflugers Arch
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Phycologia
Phys Technol
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Phyton
Phytopathol Pap Commonw Mycol Inst
Phytoprotection
Pig Farmer
Plant Med
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Plasticulture
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
Pochvovedenie
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Publ Mus Hist Nat Javier Prado, Ser B Bot
Publ Scott Agric Coll East Scotl
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Recent Dev Mass Spectrom Biochem Med
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Reihe Stud Fachbereich Int Agrarentwickl Tech Univ Berl
Relat Cient Esc Super Agric Luiz Queiroz Dep Inst Genet
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Res Bull Fac Agric Gifu Univ
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Res Rep Miss Agric For Exp Stn
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Rev Asoc Rural Urug
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Rev Cafetalera
Rev CREA Asoc Argent Consorcios Reg Exp Agric
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Sch Foodserv J
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Schriftenr Land Sozialfragen Agrarsoz Ges
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Sci Agron Rennes Bull Sci Tech
Sci Bull Fac Agric Kyushu Univ
Sci Cult
Sci Pap Cent Res Inst Jap Tob Salt Public Corp
Sci Rep Fac Agric Okayama Univ
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Tech Bull T A R C (Trop Agric Res Cent)
Tech Commun Dep Agric Tech Serv (Pretoria)
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Tetrahedron
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Trigo Soja
Trop Geogr Med
Trop Sci
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U S Agric Res Serv (Reprints of articles by ARS employees)
U S Dep Agric Econ Res Serv (Reprints of articles by ERS employees)
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USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep PNW Pac Northwest For Range Exp Stn
USDA For Serv Res Note PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Res Pap SE U S Southeast For Exp Stn
Val Potato Grow Red River Val Potato Grow Assoc
Vaxtskyddsnotiser
Vcelar
Vcelarstvi
VDL Nachrichten Verb Dtsch Akad Landwirtsch Ernahrung Landespflege
Versuchsergeb Hohere Bundeslehr Versuchsanst Gartenbau
Vestn Moskovsk Univ, Geogr
Vestn Stat
Vet Arh
Vet Econ
Vet Med (Prague)
Vet Pathol
Vet Rec
Veterinarstvi
Victorian Nat
Vignevini
Vinodel Vinograd SSSR
Vopr Ekon
Vyz Lidu
Weinberg Keller
Weinwirtschaft
Winzer
Wirtschseig Futter
Wood Ind
Wood Sci Technol
World Pollen Spore Flora
Z Allg Mikrobiol
Z Angew Entomol
Z Arbeitsgem Osterr Entomol
Z Ausland Landwirt Matersamml
Z Bewasserungwirtsch
Z Immunitatsforsch Immunobiol
Z Lebensm Unters Forsch
Z Naturforsch Sect C Biosci
Z Pflanzenernahr Bodenkd J Plant Nutr Soil Sci
Z Pflanzenzucht
Z Tierphysiol Tierernahr Futtermittelkd
Z Versuchstierkd
Zahradkar
Zashch Rast
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Zernovoe Khoz
Zesz Nauk Ogrod Akad Roln Krakow
Zh Prikl Khim
Zootecnia (Madr)
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